

High level overview of sample objects in object architecture

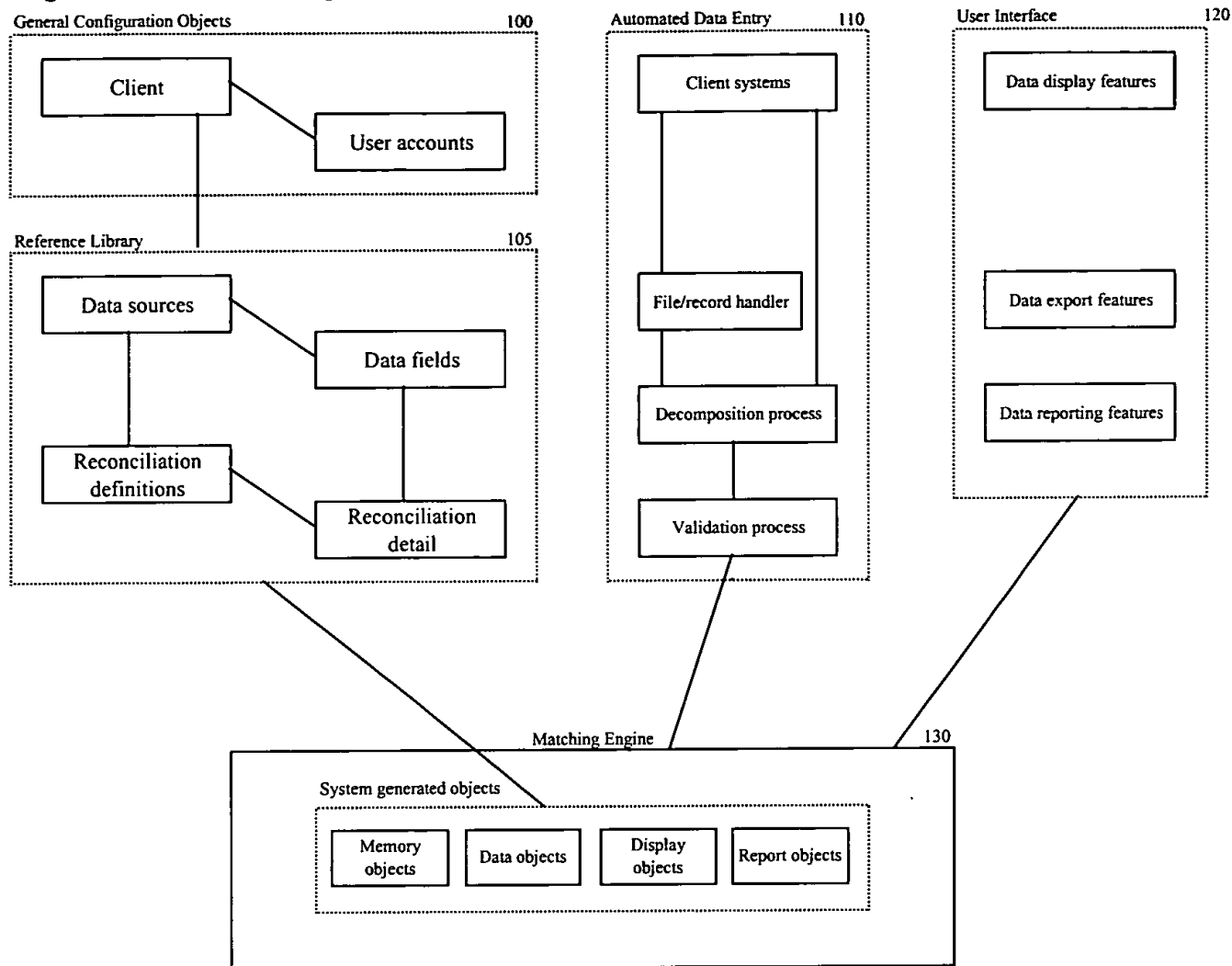


FIG. 1

TECHNOLOGY BUILD

KEY TASKS FOR ARCHITECTING NEW BUSINESS SOLUTION

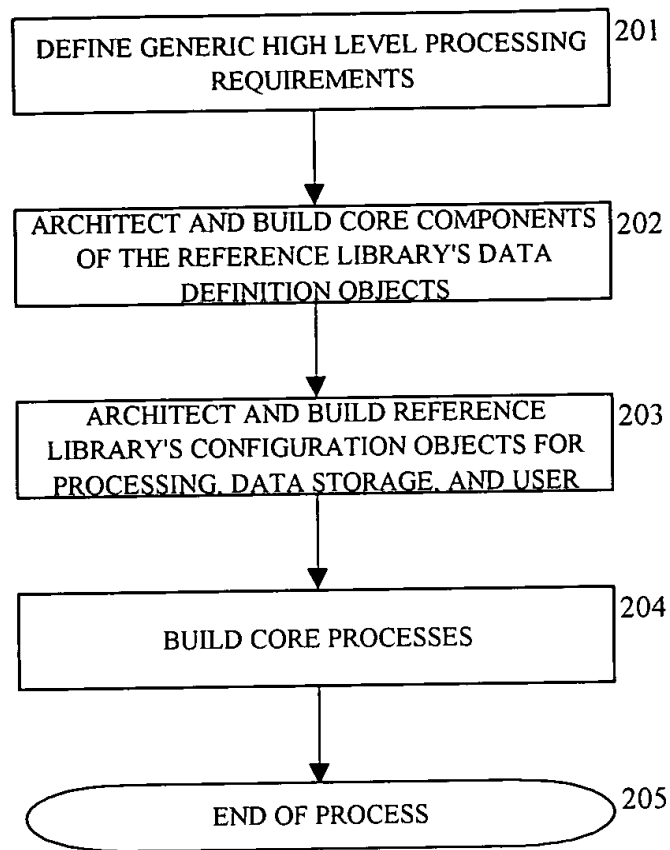


FIG. 2

USER APPLICATION PROCESSING
KEY TASKS FOR CONFIGURING APPLICATION PROCESSING

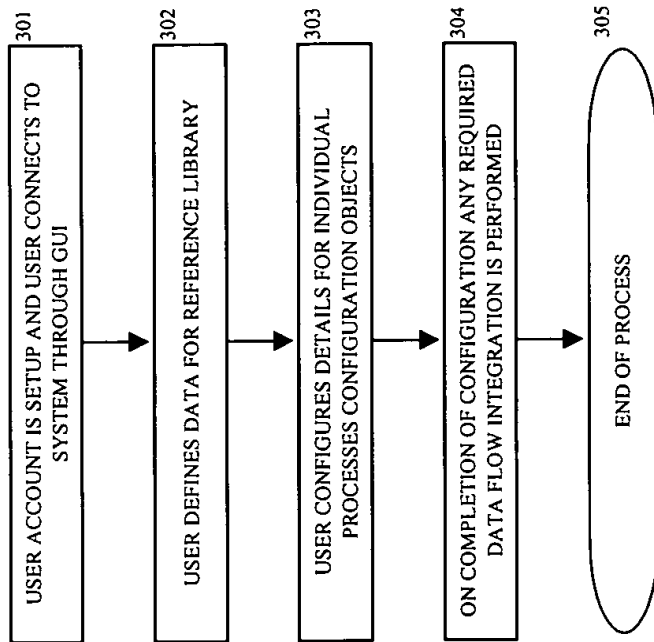


FIG. 3

**AUTOMATED DATA PROCESSING
INITIAL DATA RECEIPT/EXTRACTION AND PROCESSING**

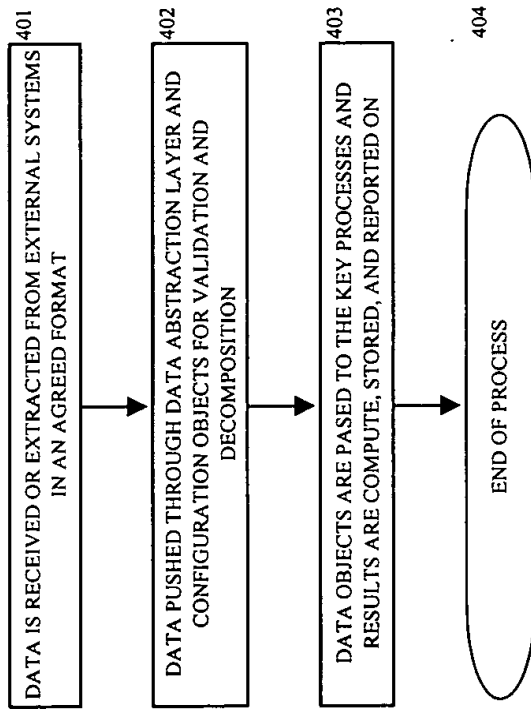


FIG. 4

**USER APPLICATION PROCESSING
STANDARD USER INTERACTION PROCESS**

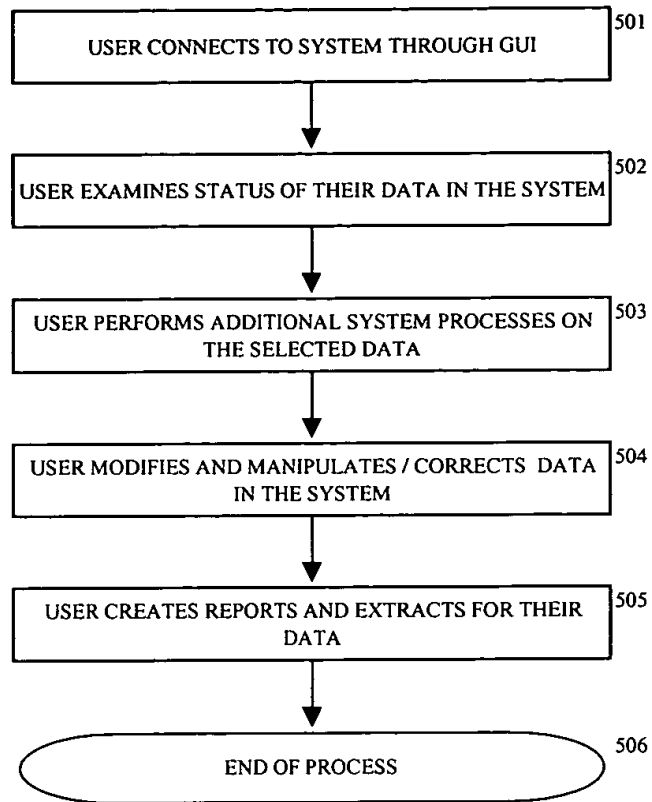


FIG. 5

Reconciliation Manager business process overview

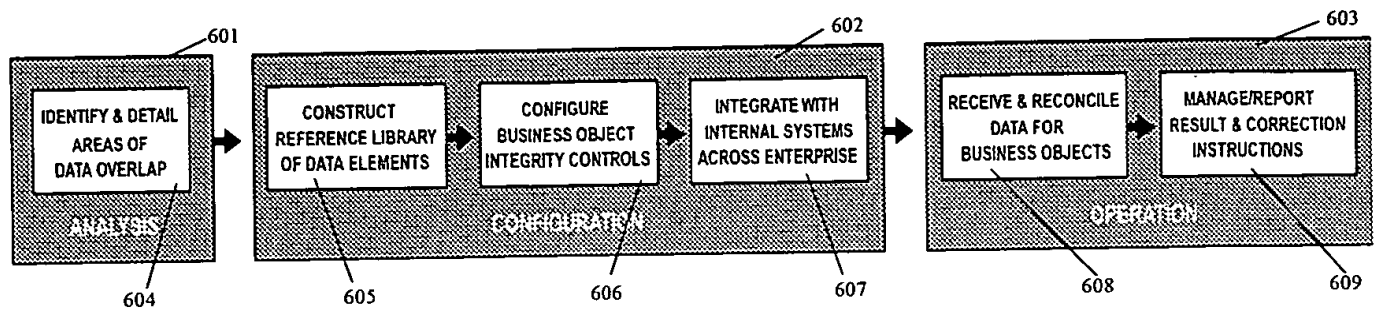


FIG. 6a

Reconciliation Manager operation overview

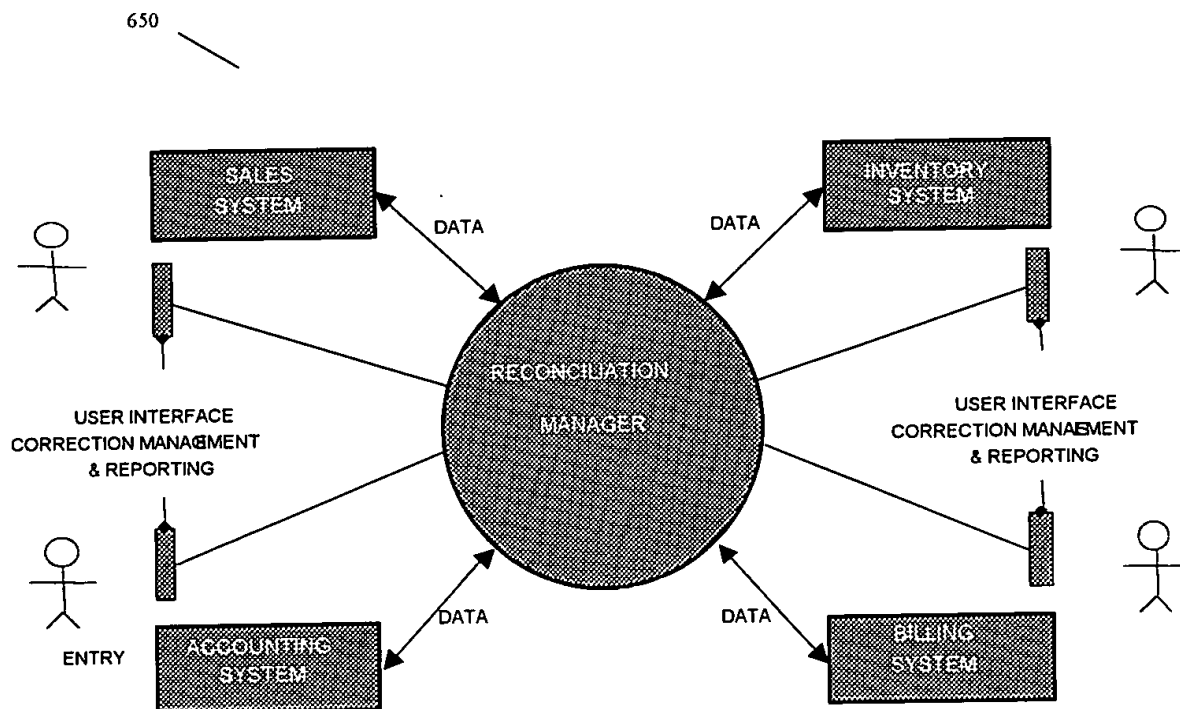


FIG. 6b

RECONCILIATION MANAGER
APPLICATION CONFIGURATION PROCESSES

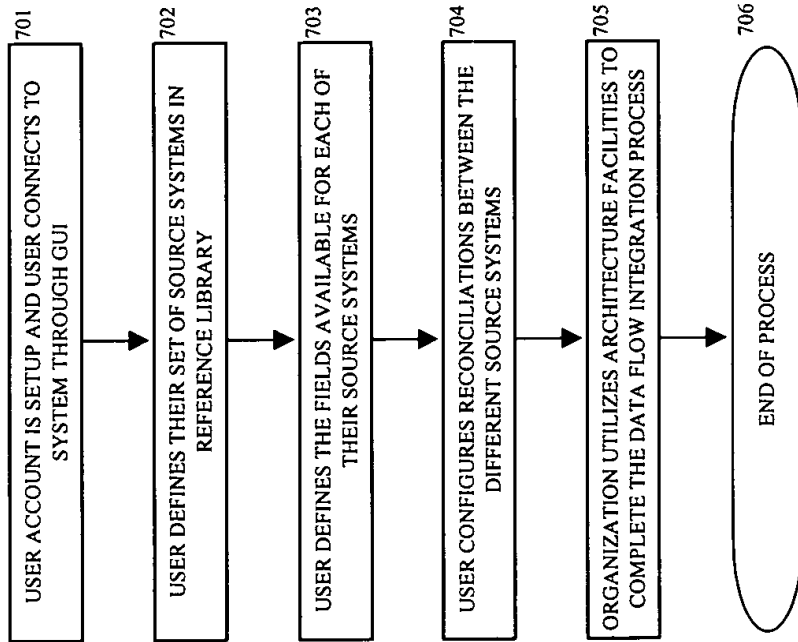


FIG. 7

**AUTOMATED DATA PROCESSING
RECONCILIATION MANAGER DATA RECEIPT/EXTRACTION AND PROCESSING**

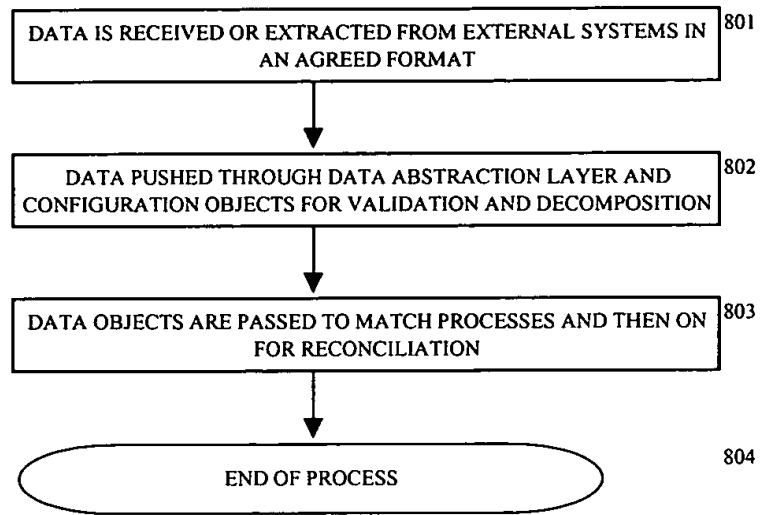


FIG. 8

**USER APPLICATION PROCESSING
RECONCILIATION MANAGER USER INTERACTION PROCESS**

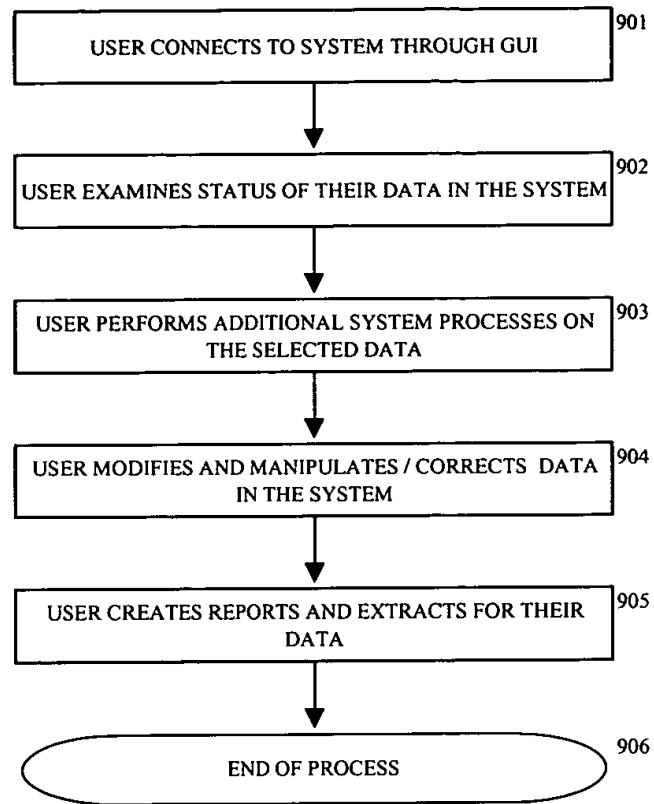


FIG. 9

HIGH LEVEL IN MEMORY OBJECT MODEL

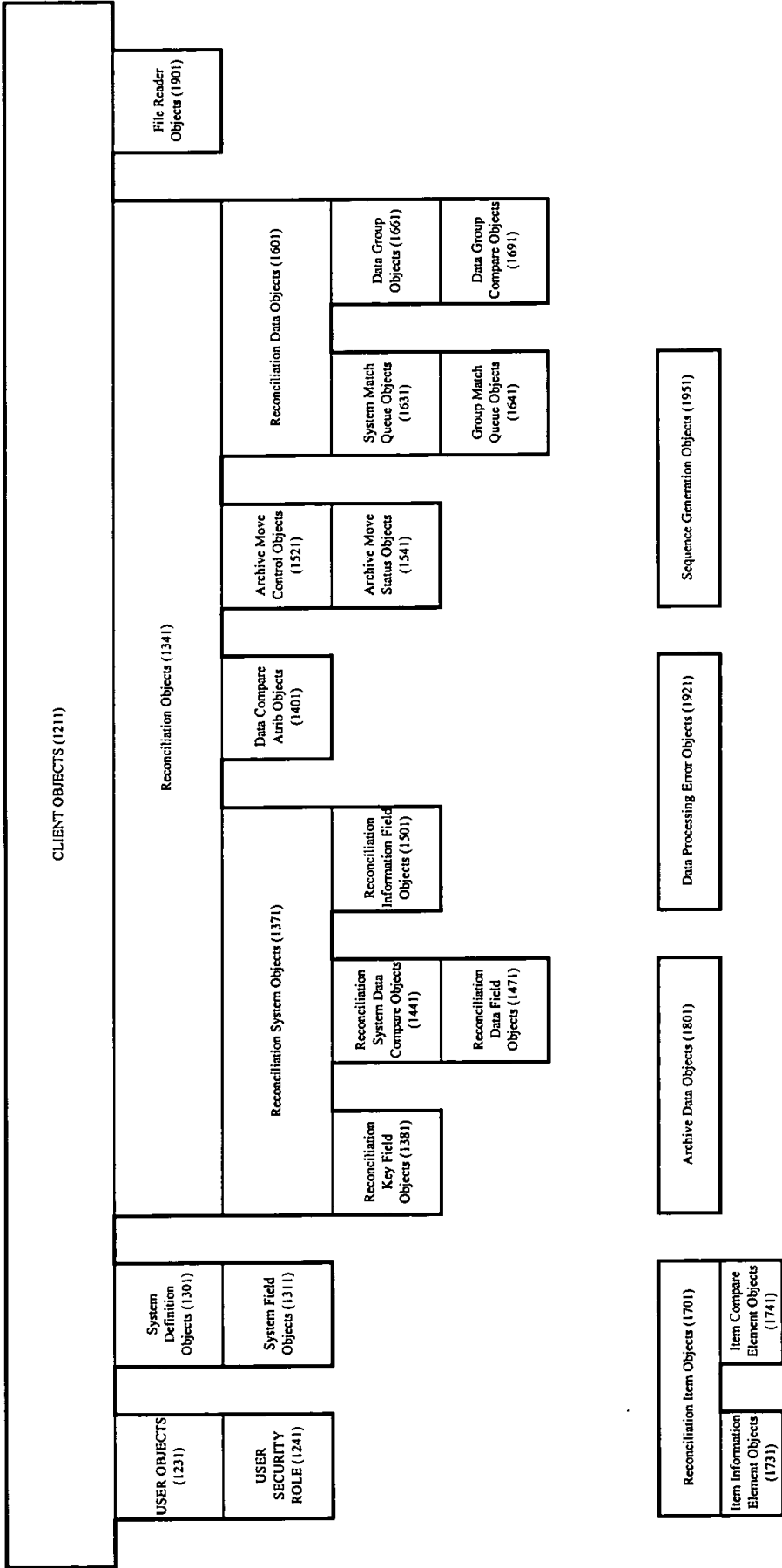


FIG. 10

USER INTERFACE ADAPTER PROGRAMS

ADAPTER PROGRAM NAME	ADAPTER PROGRAM DESCRIPTION	RELATED IN MEMORY OBJECTS
1101 RHCLDISCLAIMFORM.JSP	PRODUCT LEGAL NOTICE DISPLAY INTERFACE	NONE
1102 RHLOGIN.JSP	USER LOGIN PROGRAM INTERFACE	CLIENT & USER
1103 RHMAIN.JSP	APPLICATION MAIN DISPLAY INTERFACE	VARIED
1104 RHMAINPROC.JSP	APPLICATION MAIN PROGRAM INTERFACE	VARIED
1105 RHCLIENTFORM.JSP	CLIENT OBJECT ADAPTER PROGRAMS	CLIENT
1106 RHCLIENTPRMDTLFORM.JSP	PRIMARY DETAILS DISPLAY / PROGRAM INTERFACE	CLIENT
1107 RHCLIENTSECOTLFORM.JSP	SECONDARY DETAILS DISPLAY / PROGRAM INTERFACE	CLIENT
1108 RHCLIENTNAMEFORM.JSP	NAME MODIFICATION INTERFACE	CLIENT
1109 RHCLIENTHEADERFORM.JSP	HEADER MODIFICATION INTERFACE	CLIENT
1110 RHCLIENTCLDIRSFORM.JSP	CLIENT SIDE DIRECTORIES MODIFICATION INTERFACE	CLIENT
1111 RHCLIENTSRVDIRSFORM.JSP	SERVER SIDE DIRECTORIES MODIFICATION INTERFACE	CLIENT
1112 RHCLUSERFORM.JSP	USER AND USER SECURITY OBJECT ADAPTER PROGRAMS	USER
1113 RHUSERFORM.JSP	USER DETAILS DISPLAY / PROGRAM INTERFACE	USER
1114 RHUSERPREFSFORM.JSP	USER PREFERENCES DISPLAY / PROGRAM INTERFACE	USER
1115 RHUSERADDCHNGFORM.JSP	USER ADD / MODIFICATION INTERFACE	USER
1116 RHUSERSECROLEFORM.JSP	USER SECURITY DISPLAY / CHANGE MODIFICATION INTERFACE	USER SECURITY ROLE
1117 RHCLSYSFORM.JSP	SYSTEM AND SYSTEM FIELDS OBJECT ADAPTER PROGRAMS	SYSTEM
1118 RHSYSFORM.JSP	SYSTEM DISPLAY / PROGRAM INTERFACE	SYSTEM
1119 RHSYSADDFORM.JSP	SYSTEM ADD INTERFACE	SYSTEM
1120 RHSYSFLDFORM.JSP	SYSTEM FIELD DISPLAY / PROGRAM INTERFACE	SYSTEM FIELD
1121 RHSYSFLDADDFORM.JSP	SYSTEM FIELD ADD INTERFACE	SYSTEM FIELD
1122 RHCLRECFORM.JSP	RECONCILIATION AND RECONCILIATION SUB OBJECT ADAPTER PROGRAM	RECONCILIATION
1123 RHCLRECPROC.JSP	RECONCILIATION PROGRAM INTERFACE	RECONCILIATION
1124 RHRECFORM.JSP	RECONCILIATION DISPLAY / PROGRAM INTERFACE	RECONCILIATION
1125 RHRECADDFORM.JSP	RECONCILIATION ADD INTERFACE	RECONCILIATION
1126 RHRECSYSFORM.JSP	RECONCILIATION SYSTEM DISPLAY / PROGRAM INTERFACE	RECONCILIATION SYSTEM
1127 RHRECSYSADDFORM.JSP	RECONCILIATION SYSTEM ADD INTERFACE	RECONCILIATION SYSTEM
1128 RHRECKEYFORM.JSP	RECONCILIATION KEY FIELD DISPLAY / PROGRAM INTERFACE	RECONCILIATION KEY FIELD
1129 RHRECKEYADDFORM.JSP	RECONCILIATION KEY FIELD ADD INTERFACE	RECONCILIATION KEY FIELD
1130 RHRECDATFORM.JSP	RECONCILIATION DATA DEFINITION DISPLAY / PROGRAM INTERFACE	RECONCILIATION DATA COMPARE & DATA COMPARE ATRIB
1131 RHRECDATCMPFORM.JSP	RECONCILIATION DATA DEFINITION ADD / MODIFICATION INTERFACE	RECONCILIATION DATA COMPARE & DATA COMPARE ATRIB
1132 RHRECDATFLDADDFORM.JSP	RECONCILIATION DATA FIELD ADD INTERFACE	RECONCILIATION DATA FIELD
1133 RHRECINFFORM.JSP	RECONCILIATION INFORMATION DISPLAY / PROGRAM INTERFACE	RECONCILIATION INFORMATION FIELD
1134 RHRECINFADDFORM.JSP	RECONCILIATION INFORMATION ADD INTERFACE	RECONCILIATION INFORMATION FIELD
1135 RHRECARCHFORM.JSP	RECONCILIATION ARCHIVE CONTROL DISPLAY / PROGRAM INTERFACE	ARCHIVE MOVE CONTROL & ARCHIVE MOVE STATUS
1136 RHRECARCHADDFORM.JSP	RECONCILIATION ARCHIVE CONTROL ADD INTERFACE	ARCHIVE MOVE CONTROL
1137 RHRECARCHSTATADDFORM.JSP	RECONCILIATION ARCHIVE STATUS ADD INTERFACE	ARCHIVE MOVE STATUS
1138 RHRECOPTFORM.JSP	RECONCILIATION OPTIONS DISPLAY / PROGRAM INTERFACE	RECONCILIATION
1139 RHCLDATFORM.JSP	RECONCILIATION DATA ADAPTER PROGRAMS	RECONCILIATION DATA OBJECTS
1140 RHCLDATPROC.JSP	RECONCILIATION DATA PROGRAM INTERFACE	RECONCILIATION DATA OBJECTS
1141 RHDATRECFORM.JSP	RECONCILIATION DATA DISPLAY / PROGRAM INTERFACE	RECONCILIATION DATA OBJECTS
1142 RHDATRECPROC.JSP	RECONCILIATION DATA PROGRAM INTERFACE	RECONCILIATION DATA OBJECTS
1143 RHGRPDDETAILFORM.JSP	RECONCILIATION DATA DETAIL DISPLAY INTERFACE	RECONCILIATION DATA OBJECTS
1144 RHDATAFLTRFORM.JSP	RECONCILIATION DATA FILTER INTERFACE	RECONCILIATION DATA OBJECTS
1145 RHDATASTATFORM.JSP	RECONCILIATION DATA STATUS DISPLAY INTERFACE	RECONCILIATION DATA OBJECTS
1146 RHCLRPTFORM.JSP	RECONCILIATION REPORT ADAPTER PROGRAMS	RECONCILIATION DATA OBJECTS
1147 RHRPTXPFORM.JSP	RECONCILIATION REPORT EXPORT PROGRAM INTERFACE	RECONCILIATION DATA OBJECTS
1148 RHRPTRECFORM.JSP	RECONCILIATION REPORT DISPLAY / PROGRAM INTERFACE	RECONCILIATION DATA OBJECTS
1149 RHRPTFLTRFORM.JSP	RECONCILIATION REPORT FILTER INTERFACE	RECONCILIATION DATA OBJECTS
1150 RHRPTSTATFORM.JSP	RECONCILIATION REPORT STATUS DISPLAY INTERFACE	RECONCILIATION DATA OBJECTS
1151 RHCLARCHFORM.JSP	ARCHIVE DATA ADAPTER PROGRAMS	ARCHIVE DATA
1152 RHDATAARCHFORM.JSP	ARCHIVE DATA DISPLAY INTERFACE	ARCHIVE DATA
1153 RHDATAARCHPROC.JSP	ARCHIVE DATA PROGRAM INTERFACE	ARCHIVE DATA
1154 RHDATAARCHGRPDETAILFORM.JSP	ARCHIVE DATA DETAIL DISPLAY INTERFACE	ARCHIVE DATA
1155 RHARCHSTATFORM.JSP	ARCHIVE DATA STATUS DISPLAY INTERFACE	ARCHIVE DATA
1156 RHCLDATPROCERRORSFORM.JSP	DATA PROCESSING ERRORS ADAPTER PROGRAMS	DATA PROCESSING ERRORS
1157 RHDATPROCERRORSFORM.JSP	DATA PROCESSING ERRORS DISPLAY / PROGRAM INTERFACE	DATA PROCESSING ERRORS
1158 RHCLFRDRFORM.JSP	FILE READER ADAPTER PROGRAMS	FILE READER
1159 RHCLFRDRPROC.JSP	FILE READER PROGRAM INTERFACE	FILE READER
1160 RHFRDRFORM.JSP	FILE READER DISPLAY INTERFACE	FILE READER
1161 RHFRDRADDFORM.JSP	FILE READER ADD INTERFACE	FILE READER
1162 RHCLARCHGRPMVECNTRFORM.JSP	ARCHIVE MOVE CONTROL ADAPTER PROGRAMS	ARCHIVE MOVE CONTROL
1163 RHCLARCHGRPMVECNTRPROC.JSP	ARCHIVE MOVE CONTROL PROGRAM INTERFACE	ARCHIVE MOVE CONTROL
1164 RHARCHGRPMVECNTRFORM.JSP	ARCHIVE MOVE CONTROL DISPLAY INTERFACE	ARCHIVE MOVE CONTROL
1165 RHCLABOUTFORM.JSP	PRODUCT INFORMATION DISPLAY INTERFACE	NONE
1166 RHJAVADOC.JSP	SYSTEM DOCUMENTATION INTERFACE	NONE
1167 RHCONTEXTHELPFORM.JSP	APPLICATION CONTEXT HELP DISPLAY / PROGRAM INTERFACE	CONTEXT HELP
1168 RHCOMMONMETHODS.JSP	APPLICATION SHARED METHODS PROGRAM INTERFACE	VARIED
1169 RHCOMMONSCRIPTS.JSP	APPLICATION SHARED SCRIPTS PROGRAM INTERFACE	NONE
1170 RHCOMMONSTYLES.CSS	APPLICATION SHARED SCREEN FORMATTING CODES	NONE

FIG. 11

FIG. 11

IN MEMORY BASE, CLIENT, USER, AND SECURITY OBJECTS

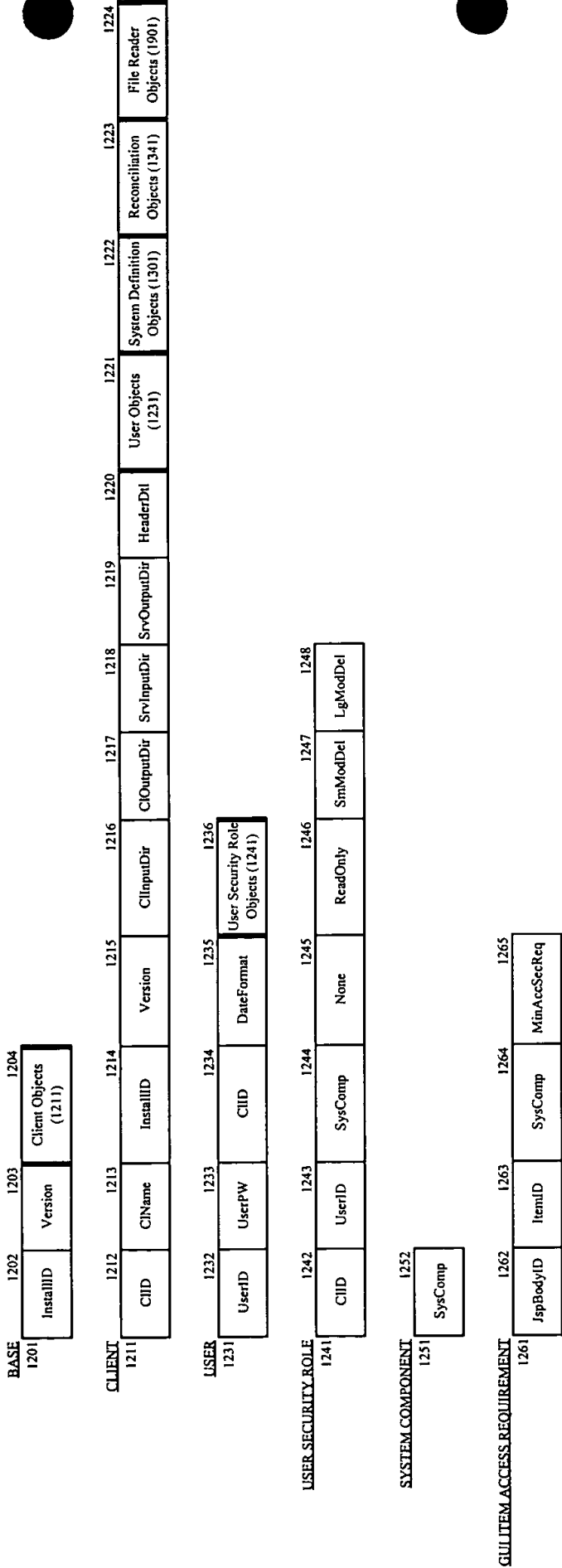


FIG. 12

IN MEMORY REFERENCE LIBRARY OBJECTS

SYSTEM DEFINITION			
1301	1302	1303	1304
CUID	SysID	SysDesc	SysStatus
			System Field Objects (1311)

SYSTEM FIELD				1311	1312	1313	1314	1315	1316
				CIID		SysID	FidID	FidType	FidFormat

SYS FIELD TYPE	1332	FldType
	1331	

	RECONCILIATION	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350
		CllID	RecID	RecDesc	NoOfSys	Running	Complete	GrpsProcessed	LastDatID	RecRealTime	
		GroupReplace	RecordReplace	NoOfErrs	LastErrDate	IgnnKeyCase	IgnnKeySpace	Reconciliation System Objects (1371)	Data Compare A/r/b Objects (1401)	Archive Move Control Objects (1521)	Reconciliation Data Objects (1601)
		1351	1352	1353	1354	1355	1356	1357	1358	1359	1360

RECONCILIATION SYSTEM					1372	1373	1374	1375	1376	1377	1378	1379
1371	CIID	RecID	SysID	IgnSpace	IgnCase	Reconciliation Key Field Objects (1381)		Reconciliation System Data Compare Objects (1441)		Reconciliation Information Field Objects (1501)		

RECONCILIATION KEY FIELD	1382	1383	1384	1385	1386	1387
1381	CIID	RecID	SysID	FlID	KeyPos	FlIDType

FIG. 13

IN MEMORY REFERENCE LIBRARY OBJECTS

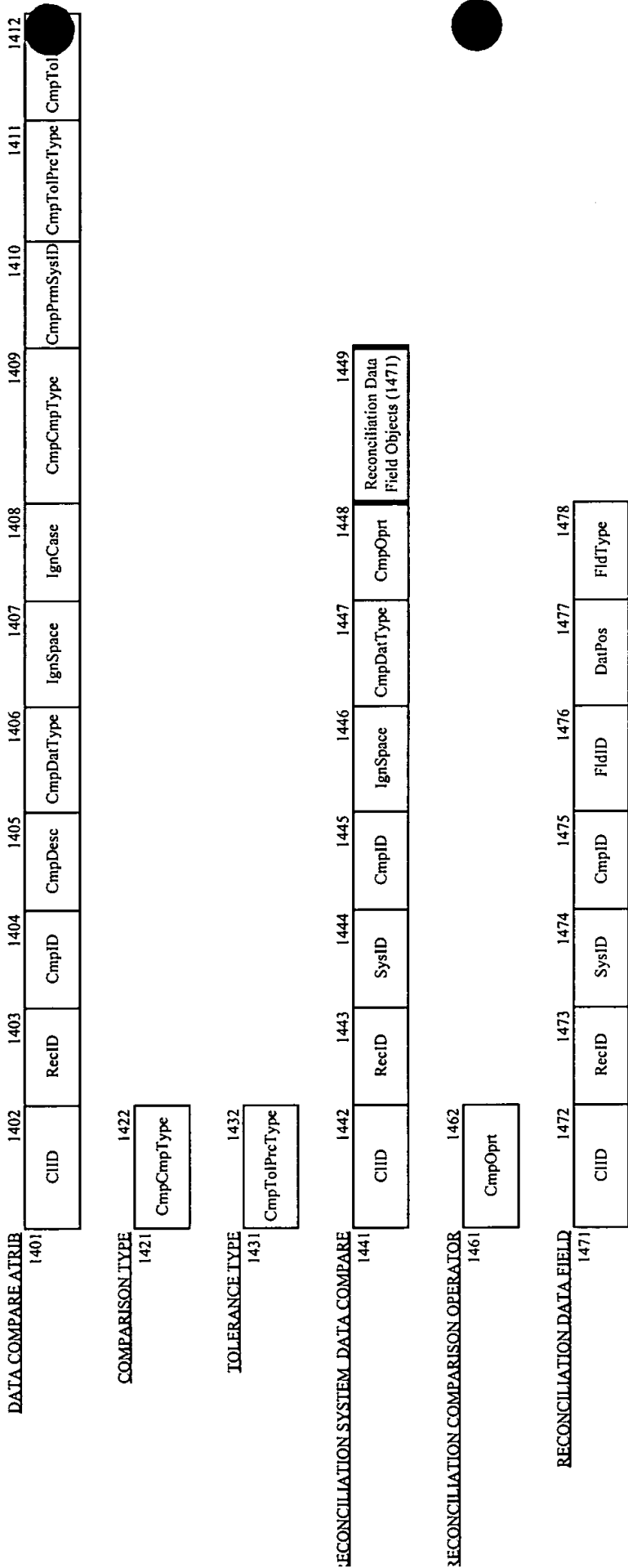


FIG. 14

IN MEMORY REFERENCE LIBRARY OBJECTS

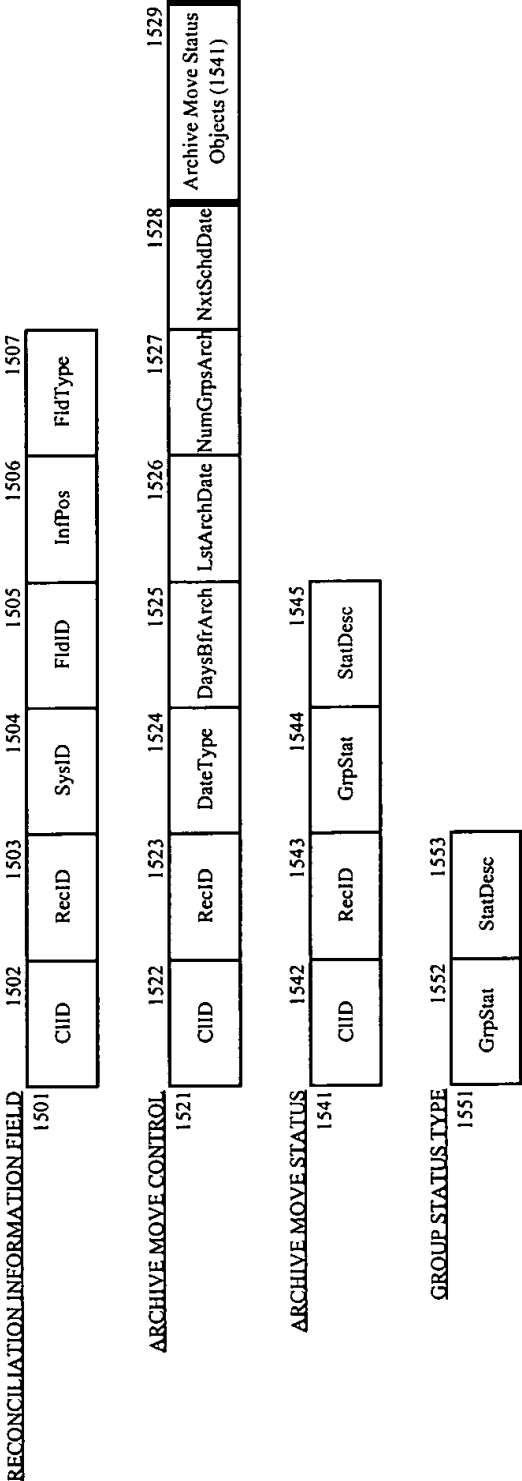


FIG. 15

[illegible]

IN MEMORY RECONCILIATION DATA MANIPULATION OBJECTS

RECONCILIATION DATA									
	1602	1603	1604	1605	1606	1607	1608	1609	
	CLID	RecID	KeyID	LatBstDatUpd	LatSysDatUpd	NoOfSys	LastGrpID	DatID	
NoOfErrDatGrps	NoOfUnmchdDatGrps	NoOfMchPndRecDatGrps	NoOfReldWbBkDatGrps	NoOfRelInBkDatGrps	NoOfManCladDatGrps	NoOfManUngrpDdatGrps		NoOfDatGrps	Data Group Objects (1666)
	1610	1611	1612	1613	1614	1615	1616	1617	1618

	1631	1632	1633	1634	1635	1636
SYSTEM MATCH QUEUE						
	CID	RecID	KeyID	SysID		Group Match Queue Objects (1641)

GROUP MATCH QUEUE				1642	1643	1644	1645	1646
1641	CUID	RecID	KeyID	SysID		GrpID		

DATA GROUP					
1661	1662	1663	1664	1665	1667
CLID	RecID	KeyID	GrpID	LatSysDatUpd	LatSysDatUpd
1668	1669	1670	1671	1672	1673
NoOfSysUnmch	GrpStat	AltDatGrpID	Notes	HasError	ErrMessage
1674	1675	1676	1677	1678	1679
					Data Group Compare Objects (1691)

DATA GROUP COMPARE	1691	1692	1693	1694
		AbsDatGrpID	CmpID	CmpStat

FIG. 16

IN MEMORY RECONCILIATION DATA MANIPULATION OBJECTS

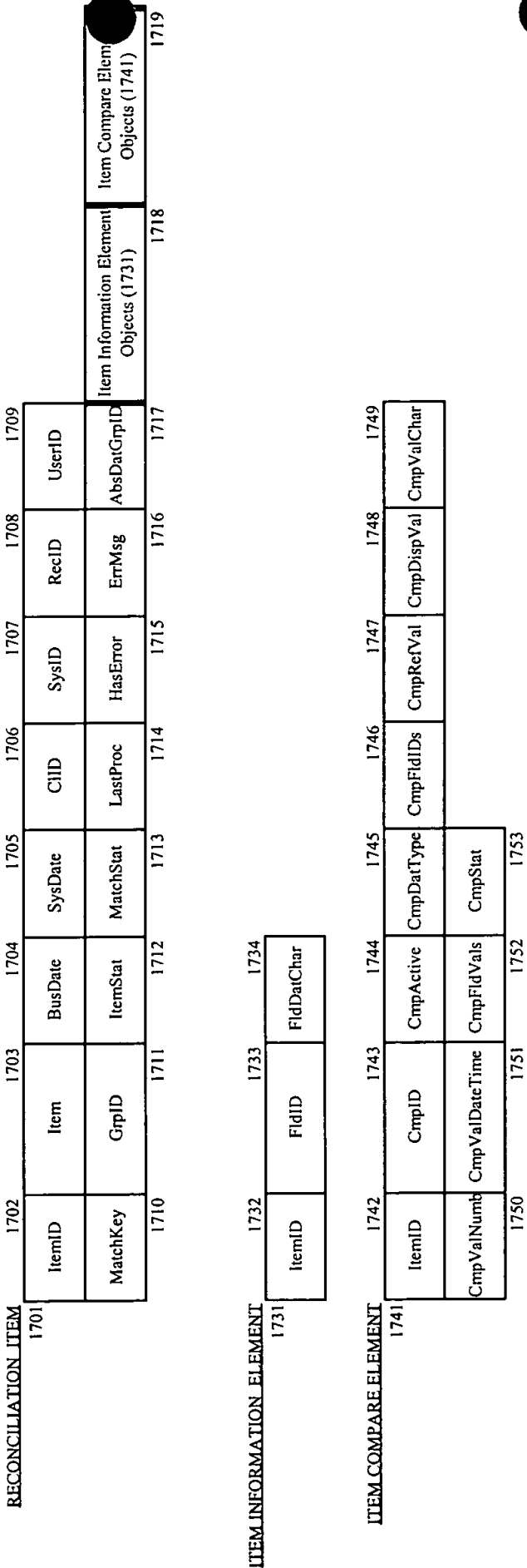


FIG. 17

IN MEMORY ARCHIVE DATA MANIPULATION OBJECTS

ARCHIVE DATA 1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1824
	ArchGrpID	ClID	RecID	KeyID	OrigGrpID	LatBusDatUpd	LatSysDatUpd	NoOfSysUnmched	GrpStat	OrigAbsGrpID	OrigGrpNotes	
	OrigGrpHasError	OrigGrpErrMessage	GrpMchQueueData	DataGrpCorpData	RecItemMinBusDate	RecItemMaxBusDate	RecItemMinSysDate	RecItemMaxSysDate	RecItemOrigText	RecItemData	RecItemInflmntData	RecItemCmplmntData
	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	

FIG. 18

MISCELLANEOUS IN MEMORY OBJECTS

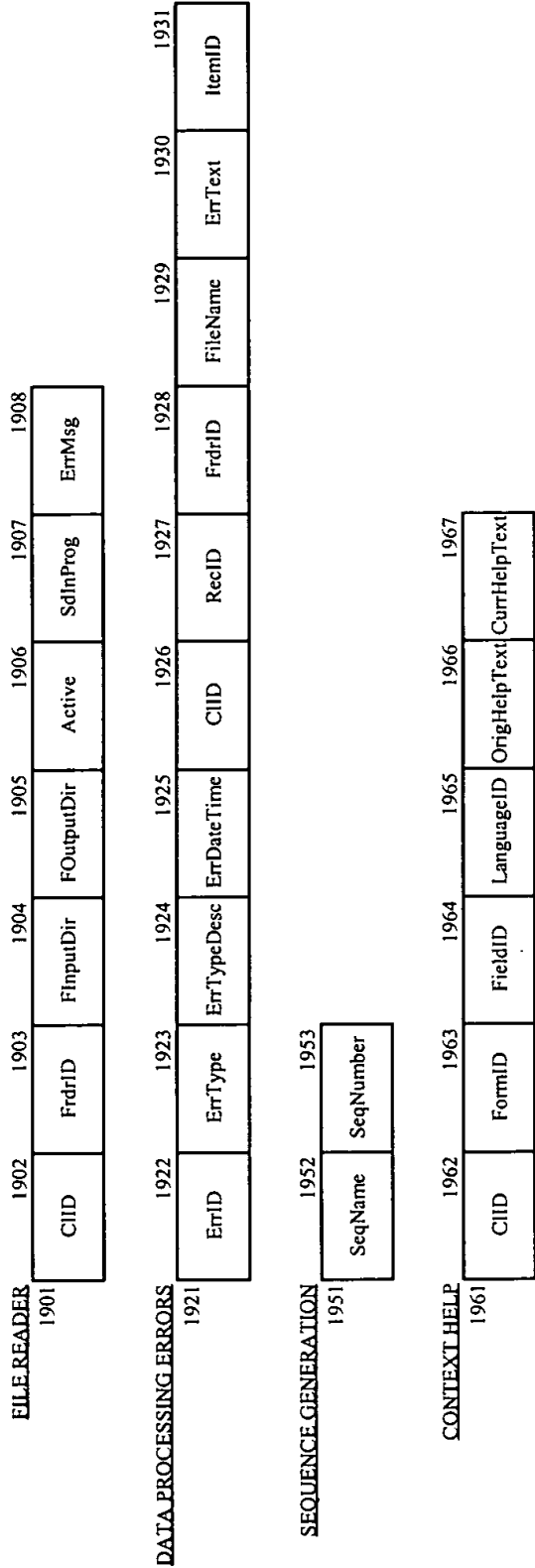


FIG. 19



[illegible]

DATABASE TABLES

2201

Database

Column Name	Condensed Title	Data Type	Scale	Allow Nulls	
empname	employee (SC)	varchar	0		
empnumber	int	int	0		

2202

rwipooltest

Column Name	Constraint Type	Data type	Scale	Allow Nulls	Index
wpooltest	wpooltest	wpooltest	0		

2203

midprocessors

Column Name	Column Type	Database	Size	Allow Nulls
id	int	int	4	NO
width	int	int	4	NO
width factor	decimal(15)	decimal	15	NO
midprocessor	varchar	varchar	255	NO
cat	decimal(5)	decimal	5	NO
part	decimal(10)	decimal	10	NO
total	int	int	4	NO
name	decimal(10)	decimal	10	NO
width	decimal(10)	decimal	10	NO
total	int	int	4	NO

[illegible]

2205

marchgpmvncvtr

Cellular Name	Condensed Tg ps	Dialysis ps	Scale	Allow In L
Ccl	march(30)	march	C	
nccl	march(30)	march	C	
dialy ps	march(30)	march	C	
capact-erch	march	march	C	
marchchde	march	march	C	
marchchch	march	march	C	
ps hachchde	march	march	C	

2206

March-April 1981

Class Name	Candidate Type	Religion	Grade	Phone No.
Ed	Marcher (3C)	Marcher	0	
med	Marcher (3C)	Marcher	0	
Spital	Ed	Ed	0	
Student	Marcher (3C)	Marcher	0	

Column Name	Column Data Type	Data Type	Scale	Allow Nulls
grpid	int	int	0	NO
statid	char(10)	varchar(10)	0	NO

2207

infectum

Column Name	Column Data Type	ColType	Scale	Allow Nulls	
id	int	int	0		<input type="checkbox"/>
date	timestamp(4300)	timestamp	0		<input type="checkbox"/>
gender	char(1)	char(1)	0		<input type="checkbox"/>
syndrom	char(1)	char(1)	0		<input type="checkbox"/>
old	timestamp(10)	timestamp	0		<input type="checkbox"/>
new	timestamp(10)	timestamp	0		<input type="checkbox"/>
root	timestamp(10)	timestamp	0		<input type="checkbox"/>
new2	timestamp(10)	timestamp	0		<input type="checkbox"/>
midway	timestamp(100)	timestamp	0		<input type="checkbox"/>
g2nd	int	int	0		<input type="checkbox"/>
terminal	int	int	0		<input type="checkbox"/>
mathstat	char(3)	char	0		<input type="checkbox"/>
subject	int	int	0		<input type="checkbox"/>
NAME KEY	int	int	0		<input type="checkbox"/>
strng	timestamp(100)	timestamp	0		<input type="checkbox"/>
abshipped	int	int	0		<input type="checkbox"/>

2208

rhinoceros

Observed Name	Cardinalized Type	Data Type	Scale	Allow Null	
prod	int	int	0	<input type="checkbox"/>	
prpact legs	meacher(10)	meacher	0	<input type="checkbox"/>	
prpct ew	meacher(10)	meacher	0	<input type="checkbox"/>	

2210
threeiteminfmt
Column Name Condensed Type CharType Scale Attributes
name str str 0
fid rmcChar(20) rmcChar 0
fidSalche rmcChar(500) rmcChar 0

threaten complaint					
Column Name	Correlated Type	DataType	State	Allow Null	
dateid	int	int	0		
custid	int	int	0		
custname	char(2)	char	0		
custtype	char(10)	char	0		
custaddr	char(100)	char	0		
custphone	char(100)	char	0		
custfax	char(100)	char	0		
custorder	char(10, 1)	char	10		
custorderdate	char(10)	char	0		
custorderdate	char(100)	char	0		
custid	int	int	0		

FIG. 22

REFERENCE LIBRARY PROCESSES
DEFINE SOURCE SYSTEM FOR REFERENCE LIBRARY

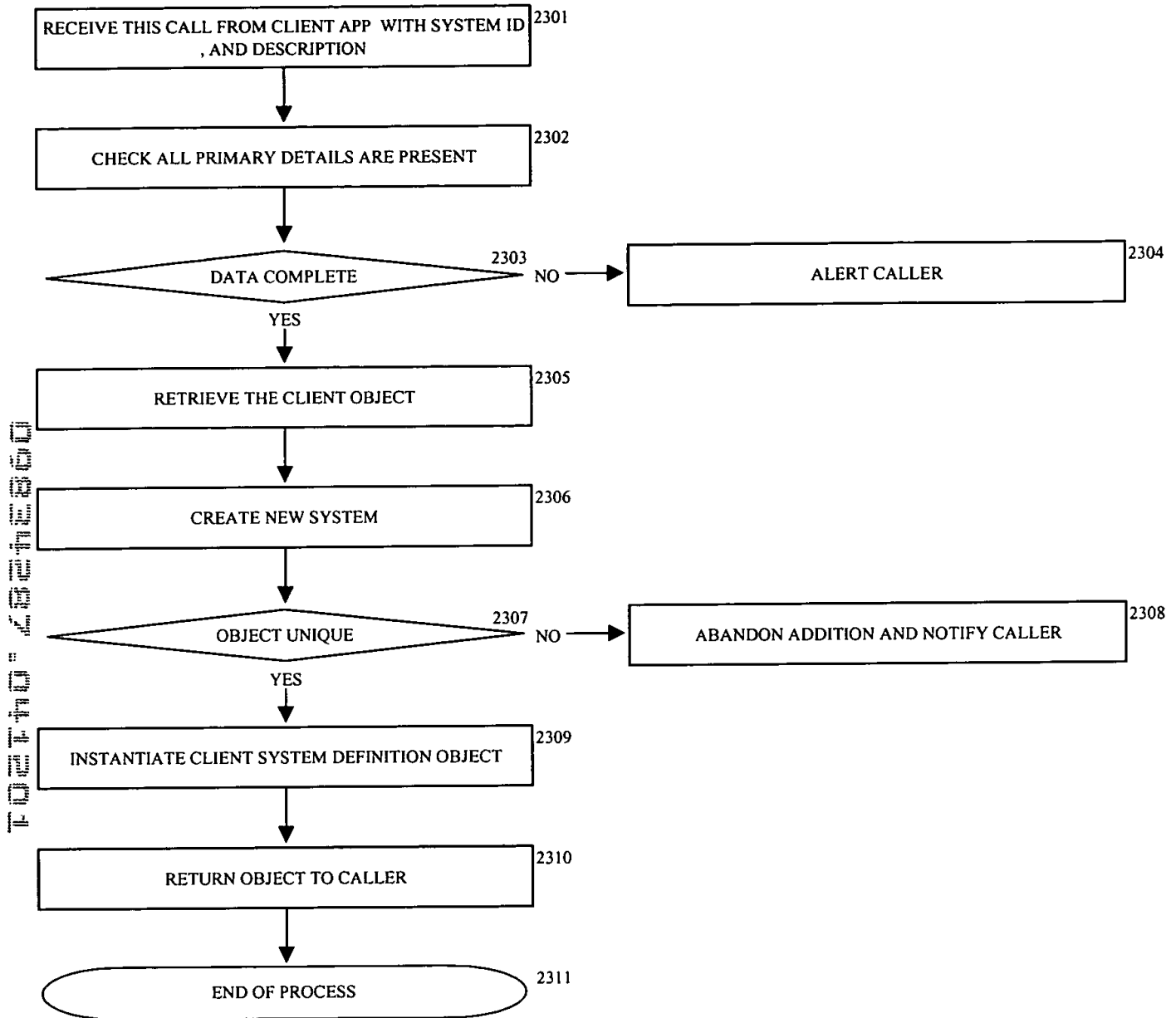


FIG. 23

REFERENCE LIBRARY PROCESSES
DEFINE SYSTEM FIELD FOR SOURCE SYSTEM

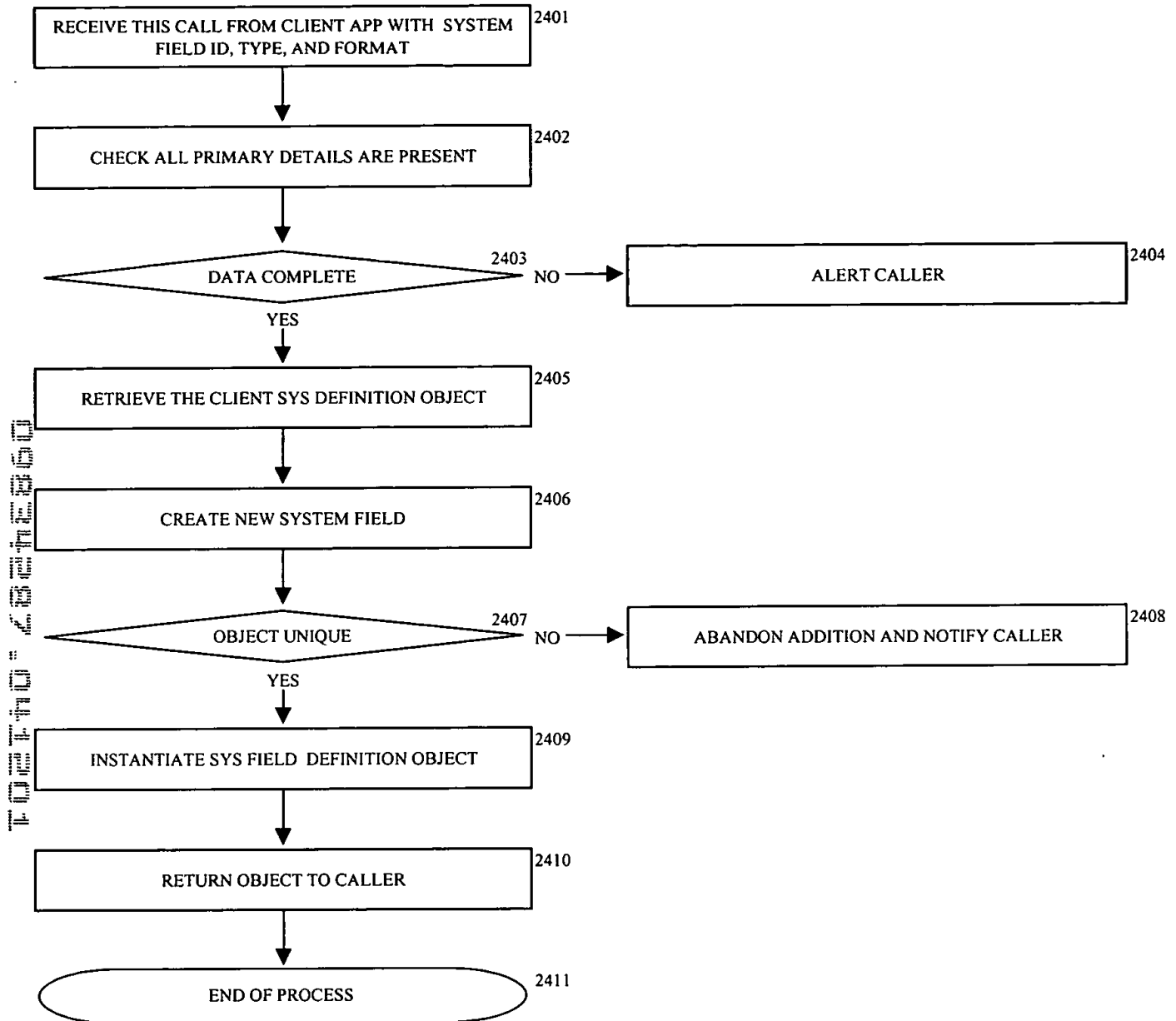


FIG. 24

REFERENCE LIBRARY PROCESSES
CREATE RECONCILIATION DEFINITION

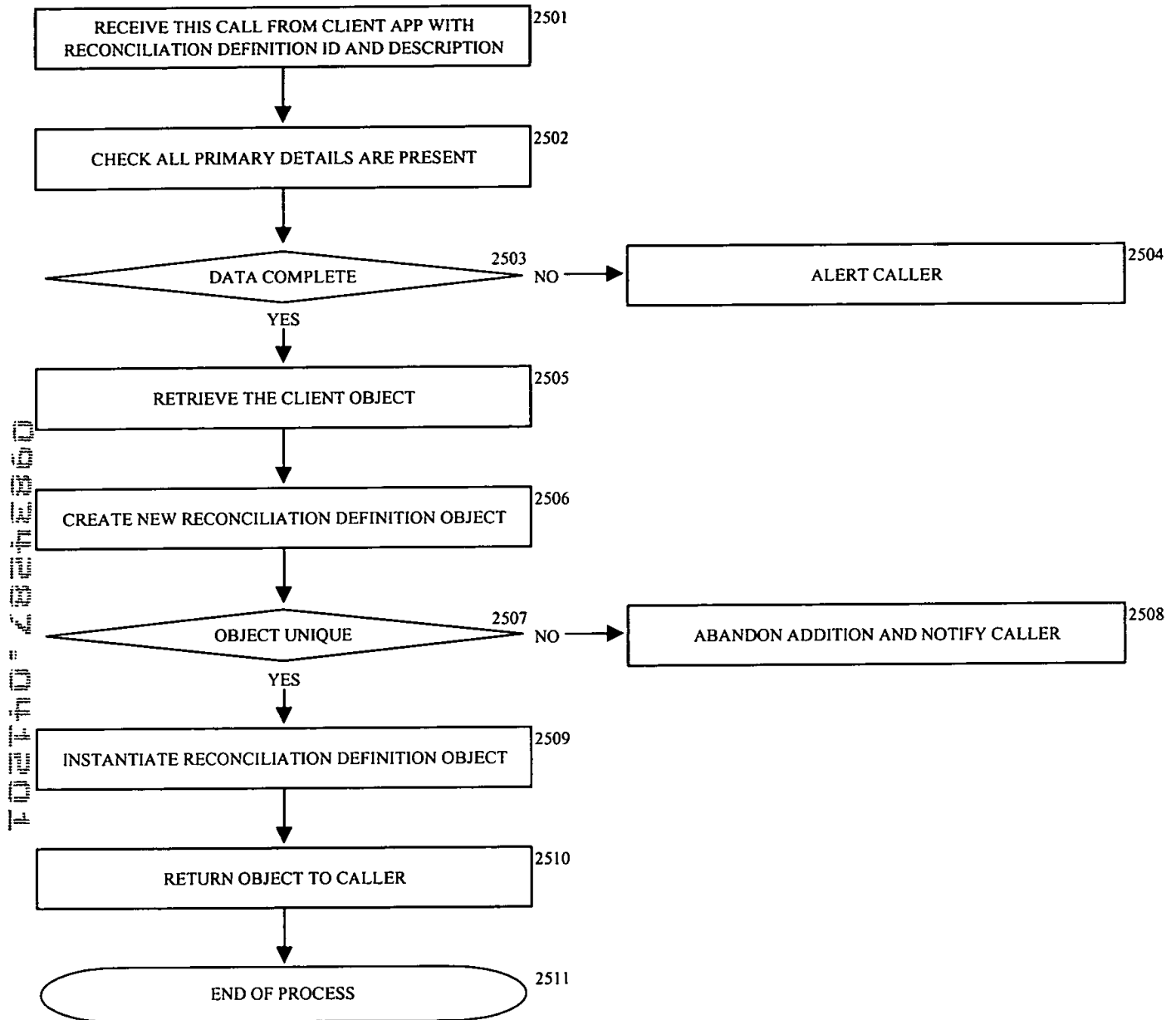


FIG. 25

REFERENCE LIBRARY PROCESSES
ADD SOURCE SYSTEM TO RECONCILIATION DEFINITION

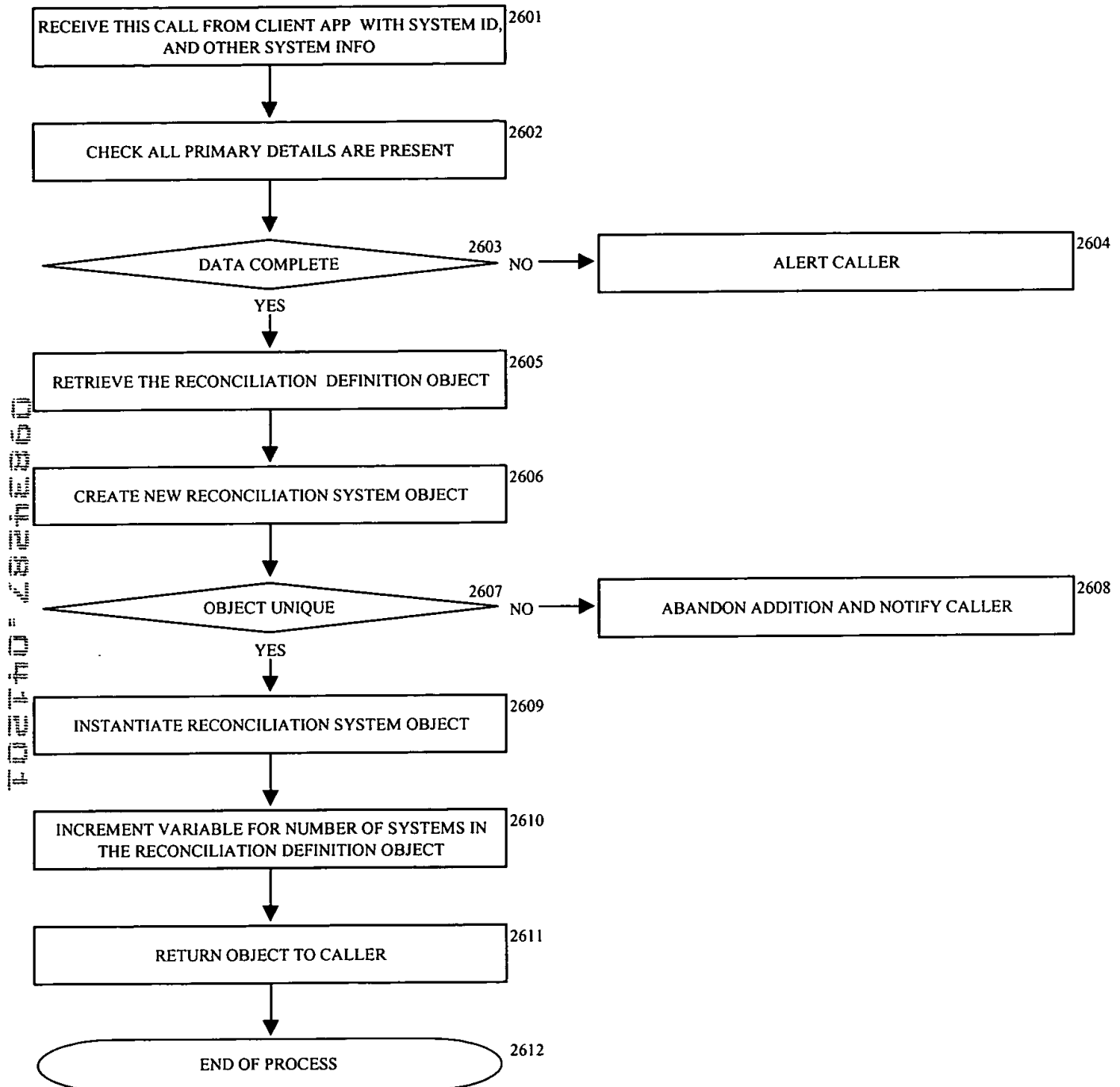


FIG. 26

REFERENCE LIBRARY PROCESSES
ADD KEY FIELD TO RECONCILIATION SYSTEM

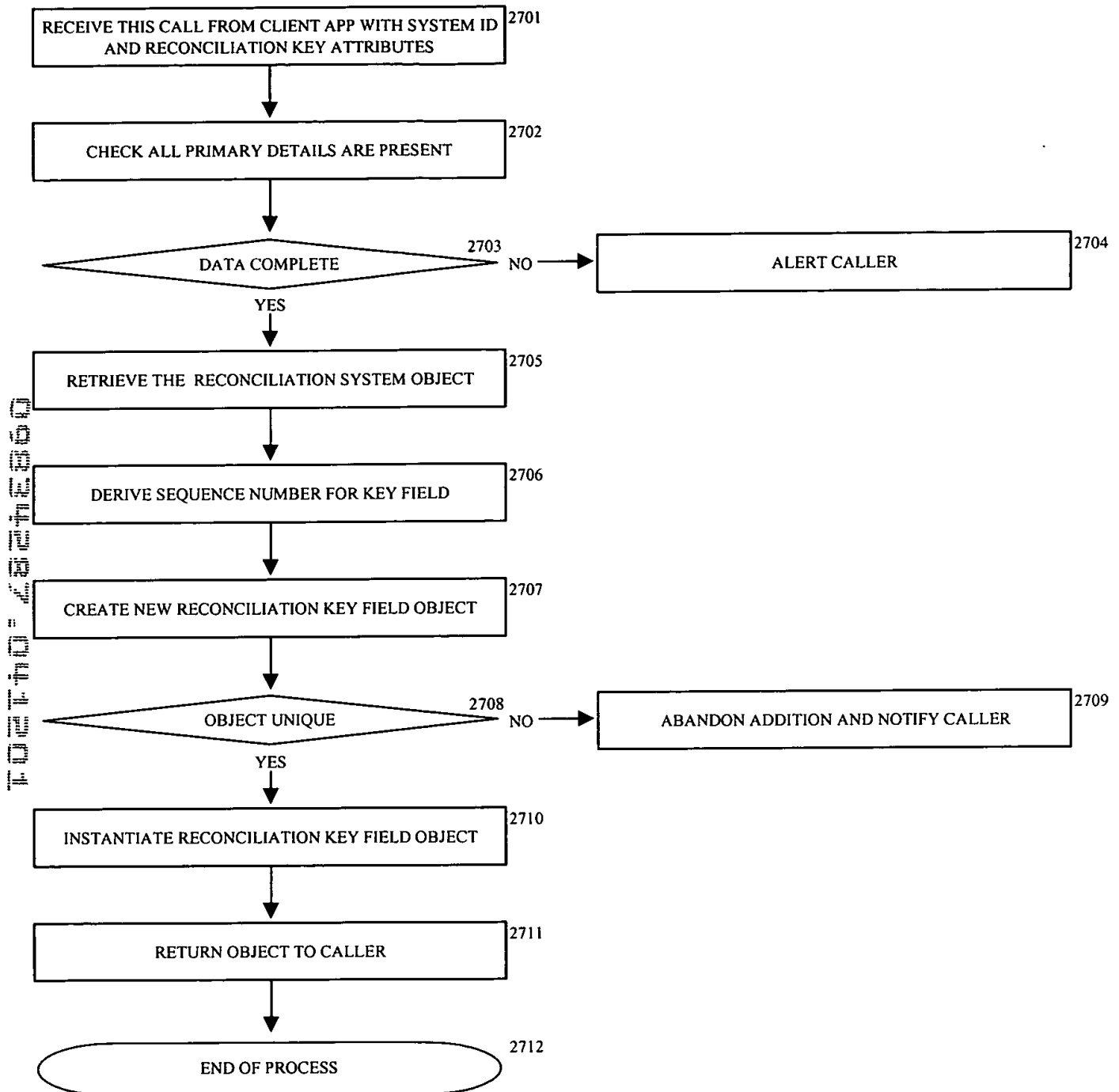


FIG. 27

REFERENCE LIBRARY PROCESSES
CREATE DATA COMPARISON IN RECONCILIATION DEFINITION

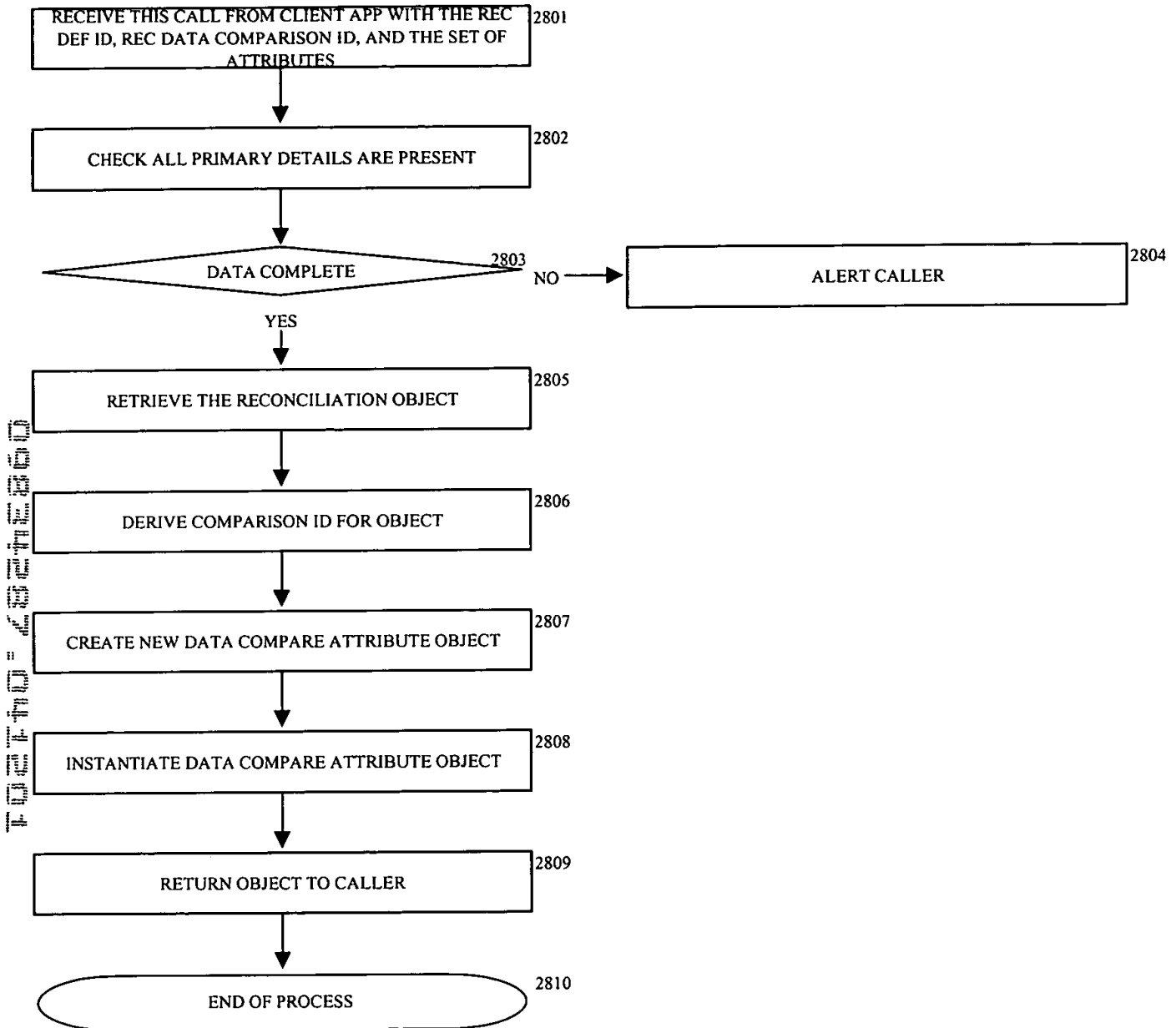


FIG. 28

REFERENCE LIBRARY PROCESSES
ADD DATA FIELD TO RECONCILIATION SYSTEM DATA COMPARISON

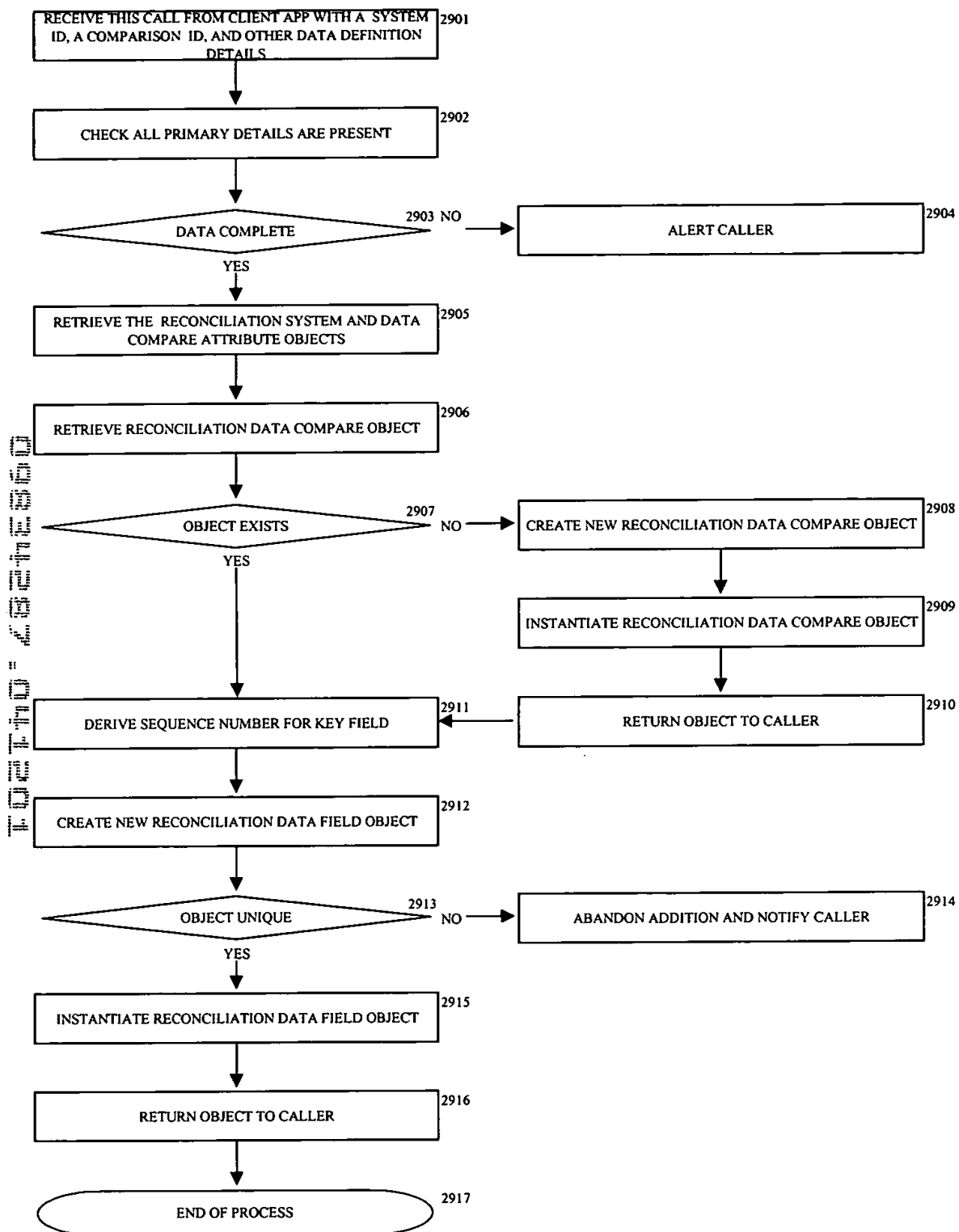


FIG. 29

REFERENCE LIBRARY PROCESSES
ADD INFORMATION FIELD TO RECONCILIATION SYSTEM

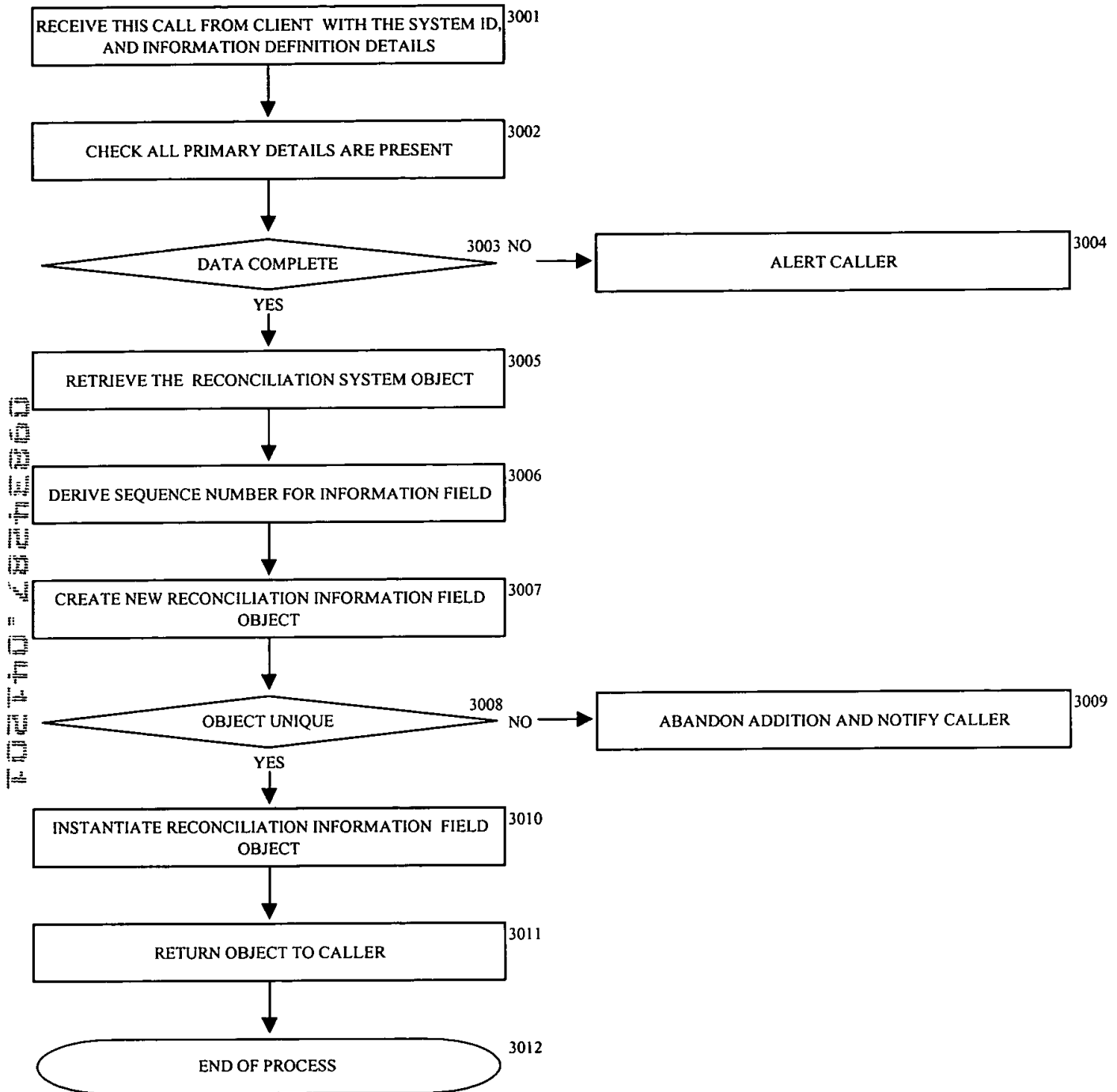


FIG. 30

IN-MEMORY OBJECT DELETION METHODS

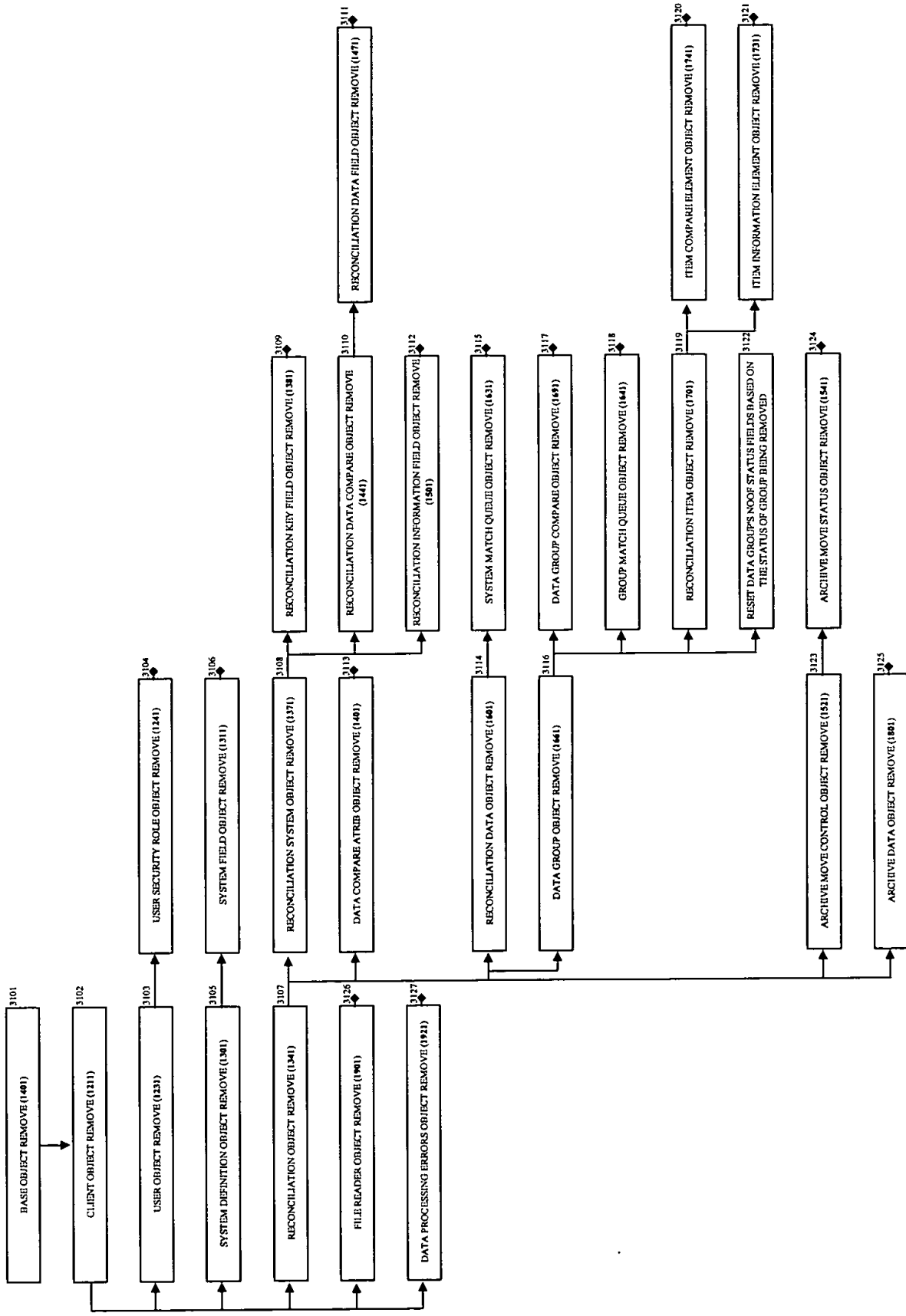


FIG. 31

MESSAGE RELATED PROCESSES
PROCESS SINGE RECONCILIATION MESSAGE

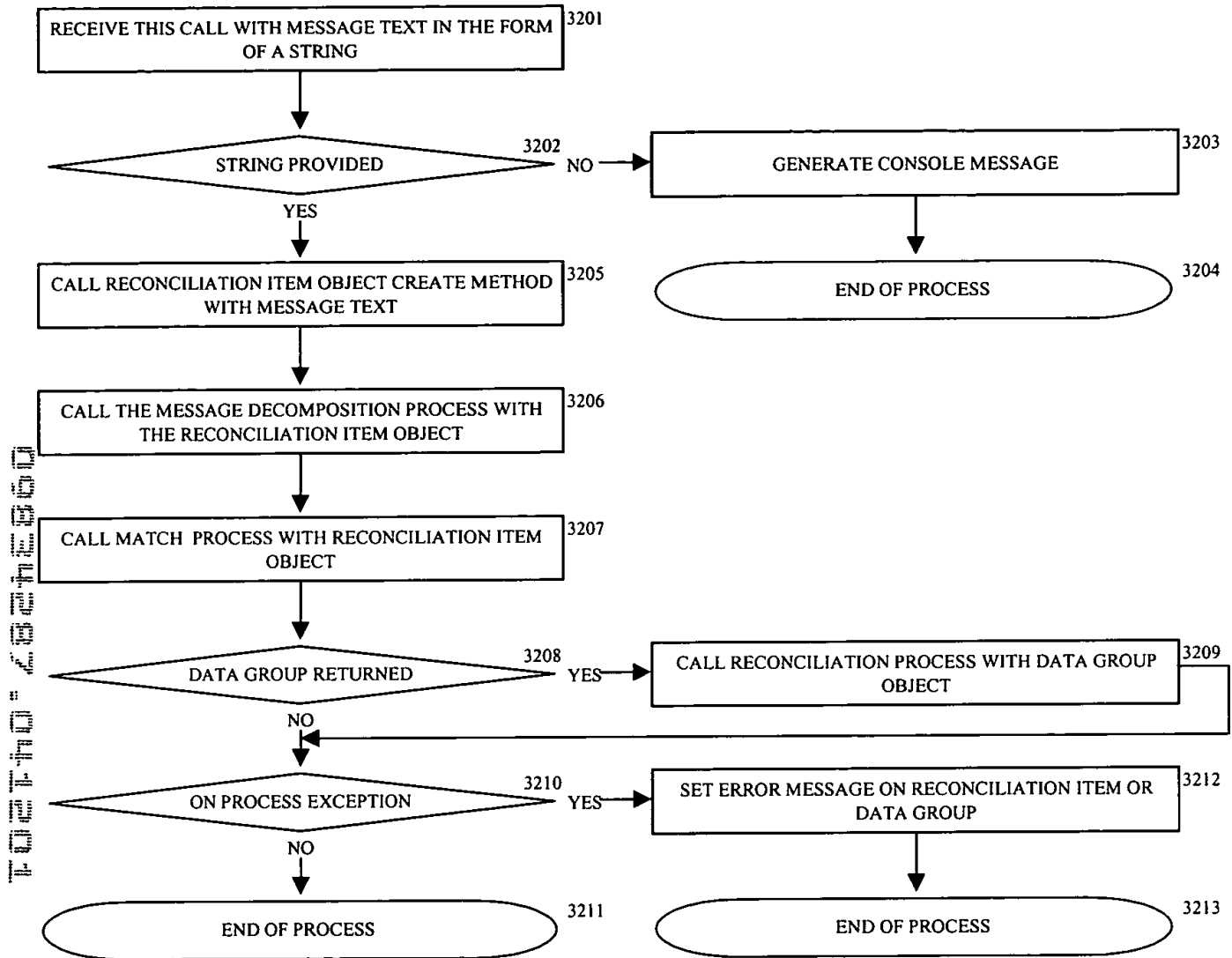


FIG. 32

MESSAGE RELATED PROCESSES
CREATE RECONCILIATION ITEM OBJECT

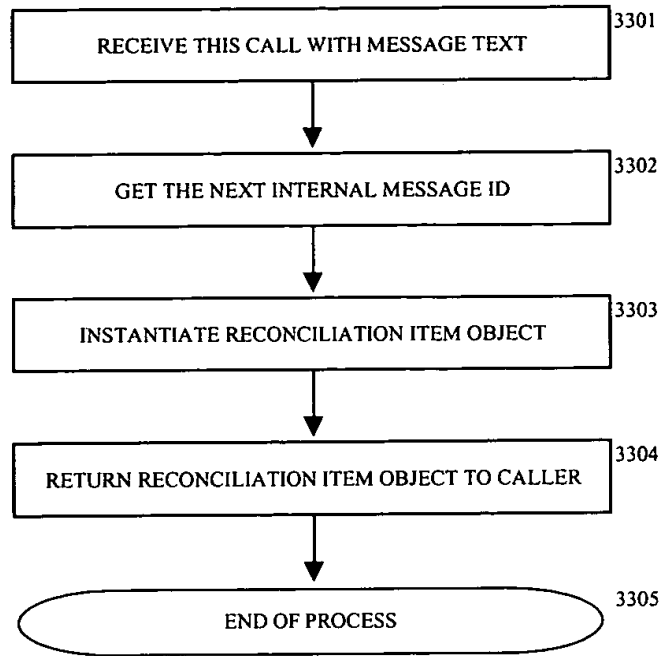


FIG. 33

MESSAGE RELATED PROCESSES
DECOMPOSE RECONCILIATION ITEM

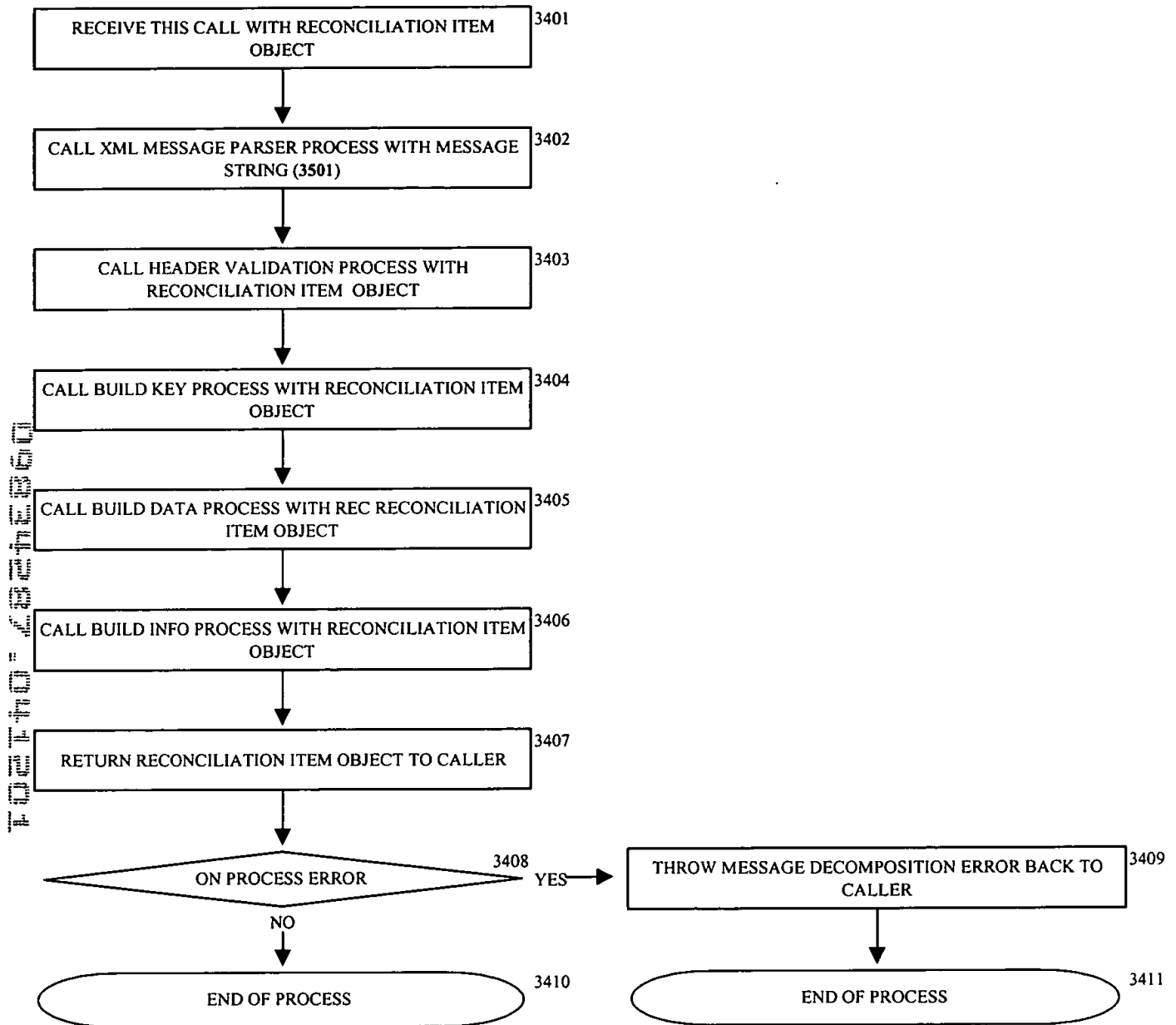


FIG. 34

MESSAGE RELATED PROCESSES
XML MESSAGE PARSER

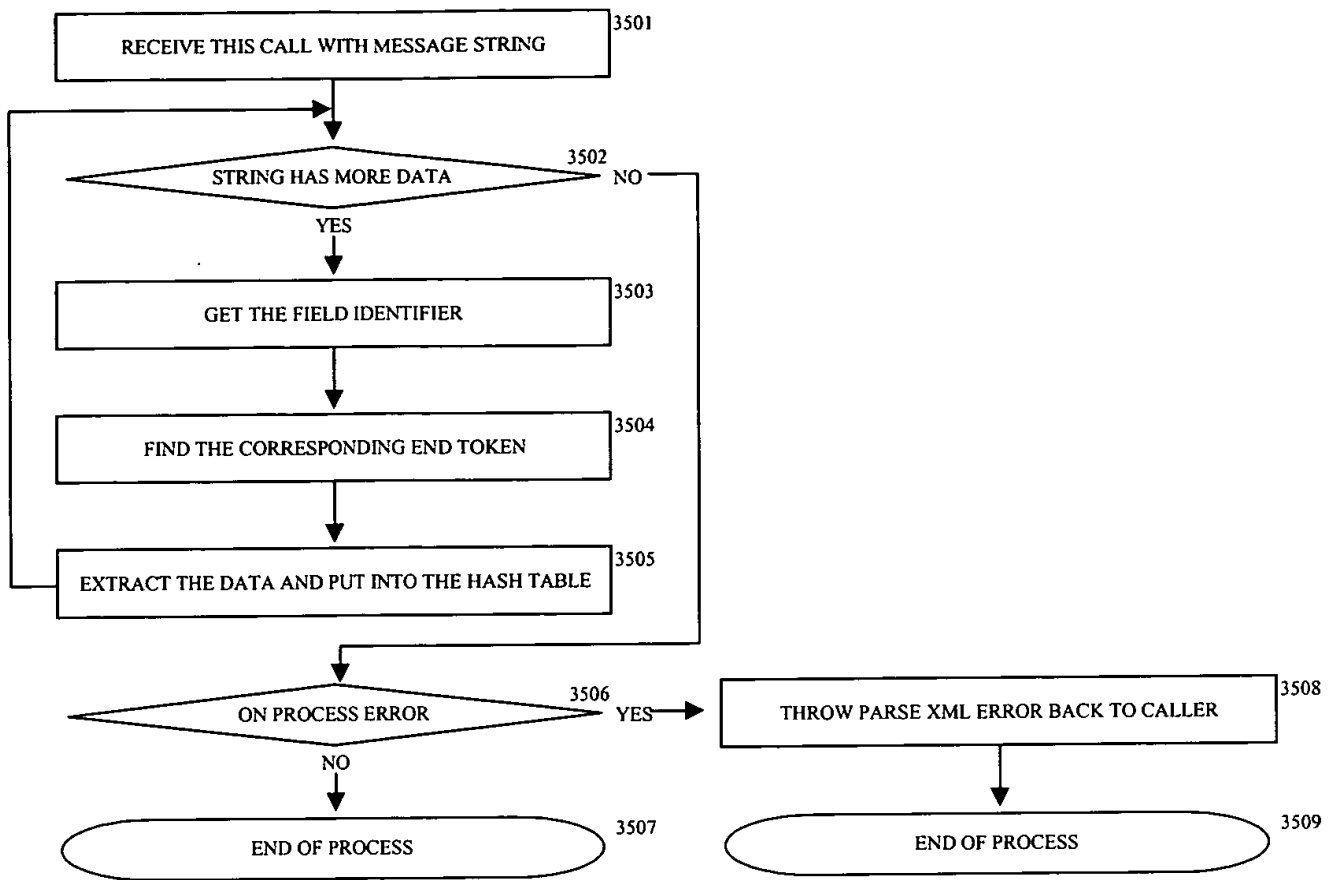


FIG. 35

MESSAGE RELATED PROCESSES
PROCESS HEADER DETAILS

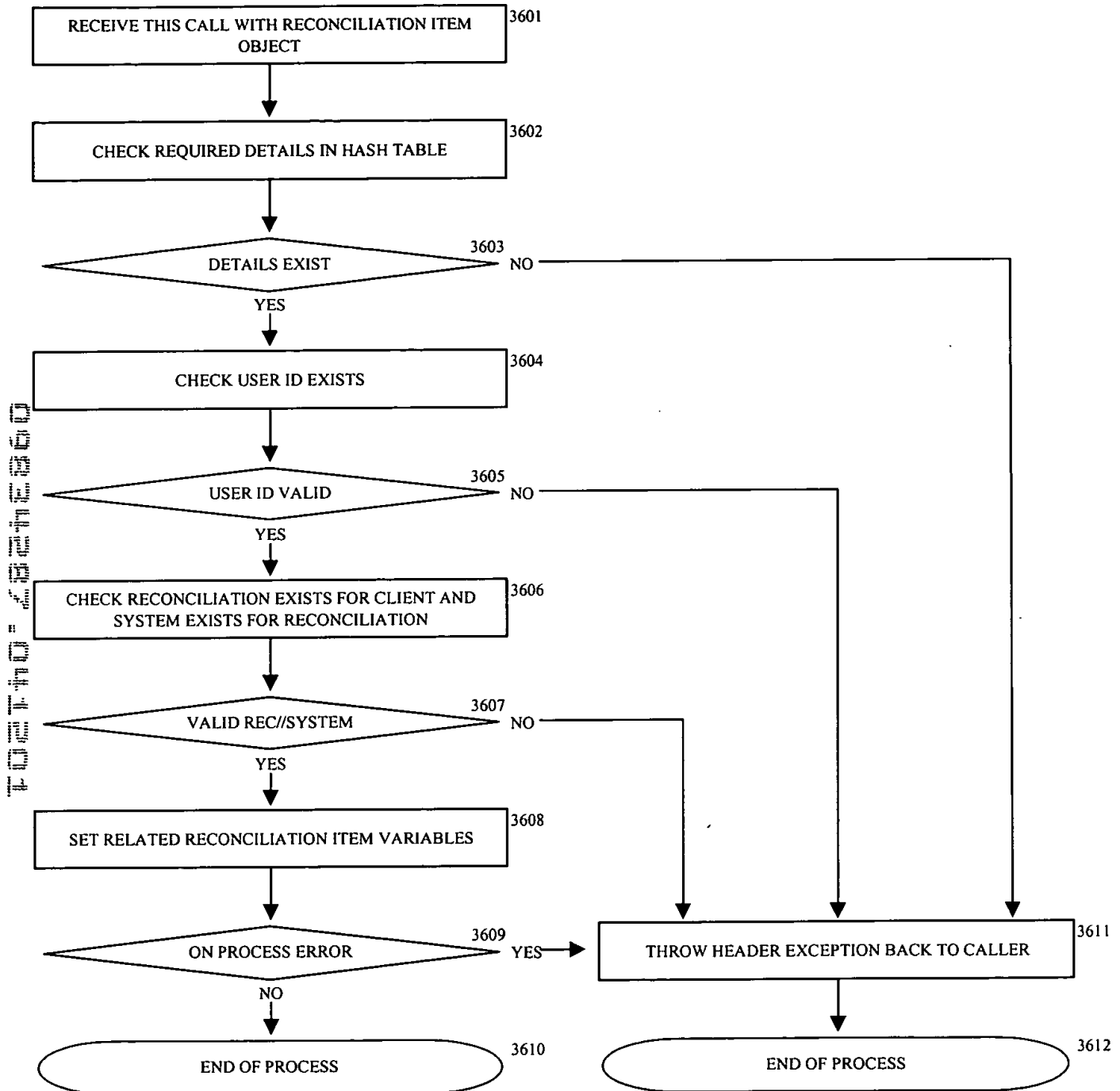


FIG. 36

MESSAGE RELATED PROCESSES
BUILD KEY

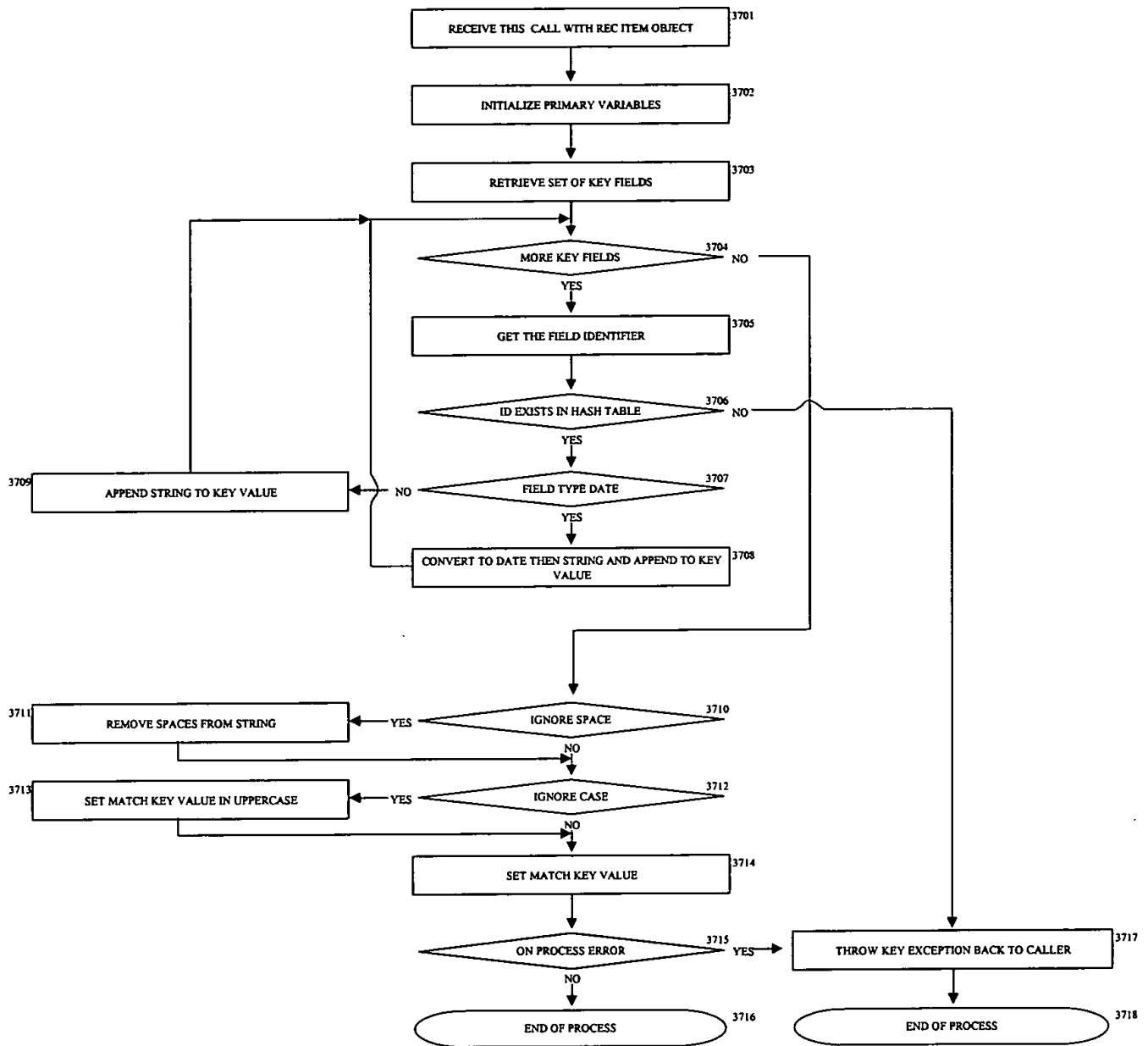


FIG. 37

MESSAGE RELATED PROCESSES
BUILD DATA

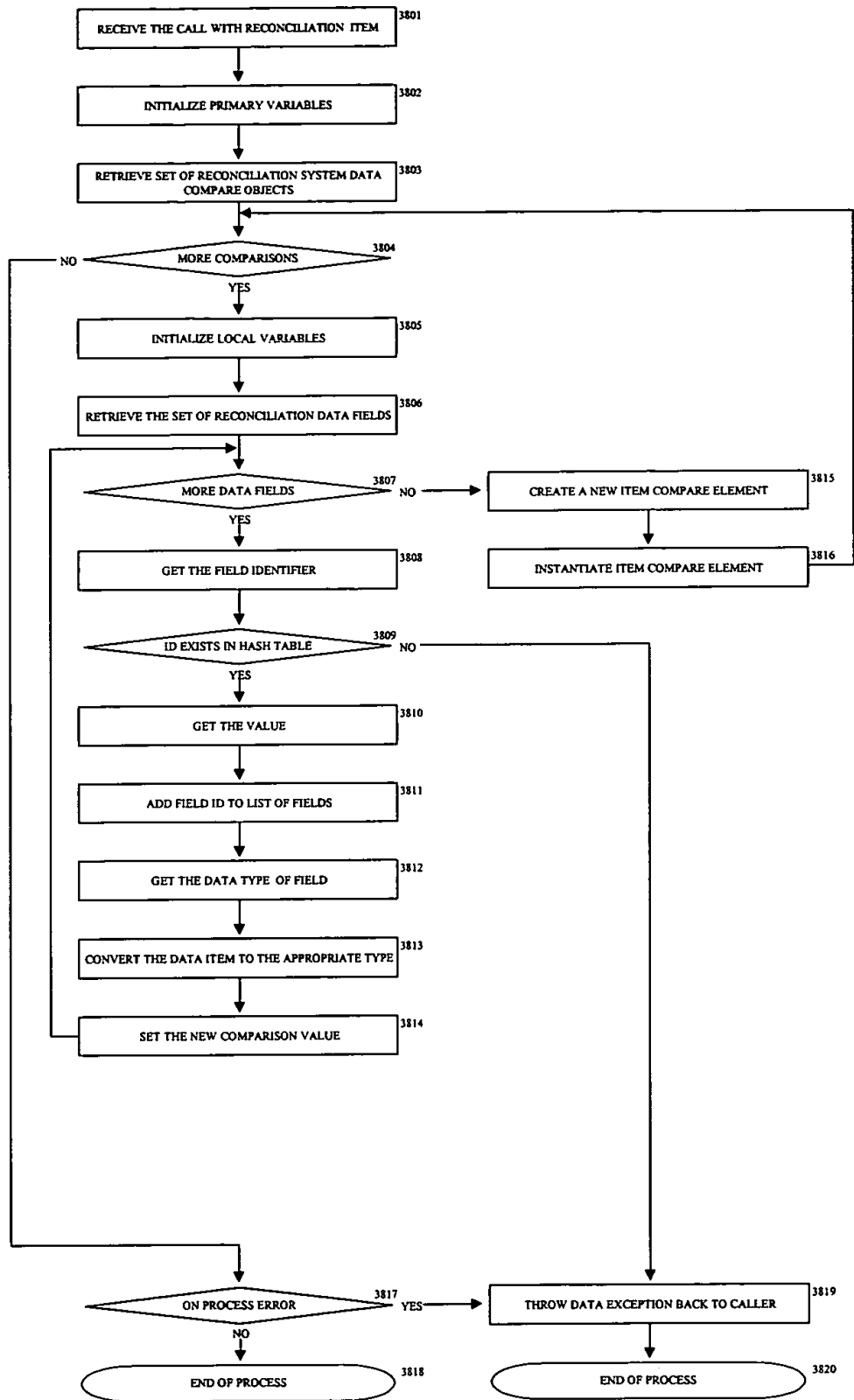


FIG. 38

MESSAGE RELATED PROCESSES
BUILD INFORMATION

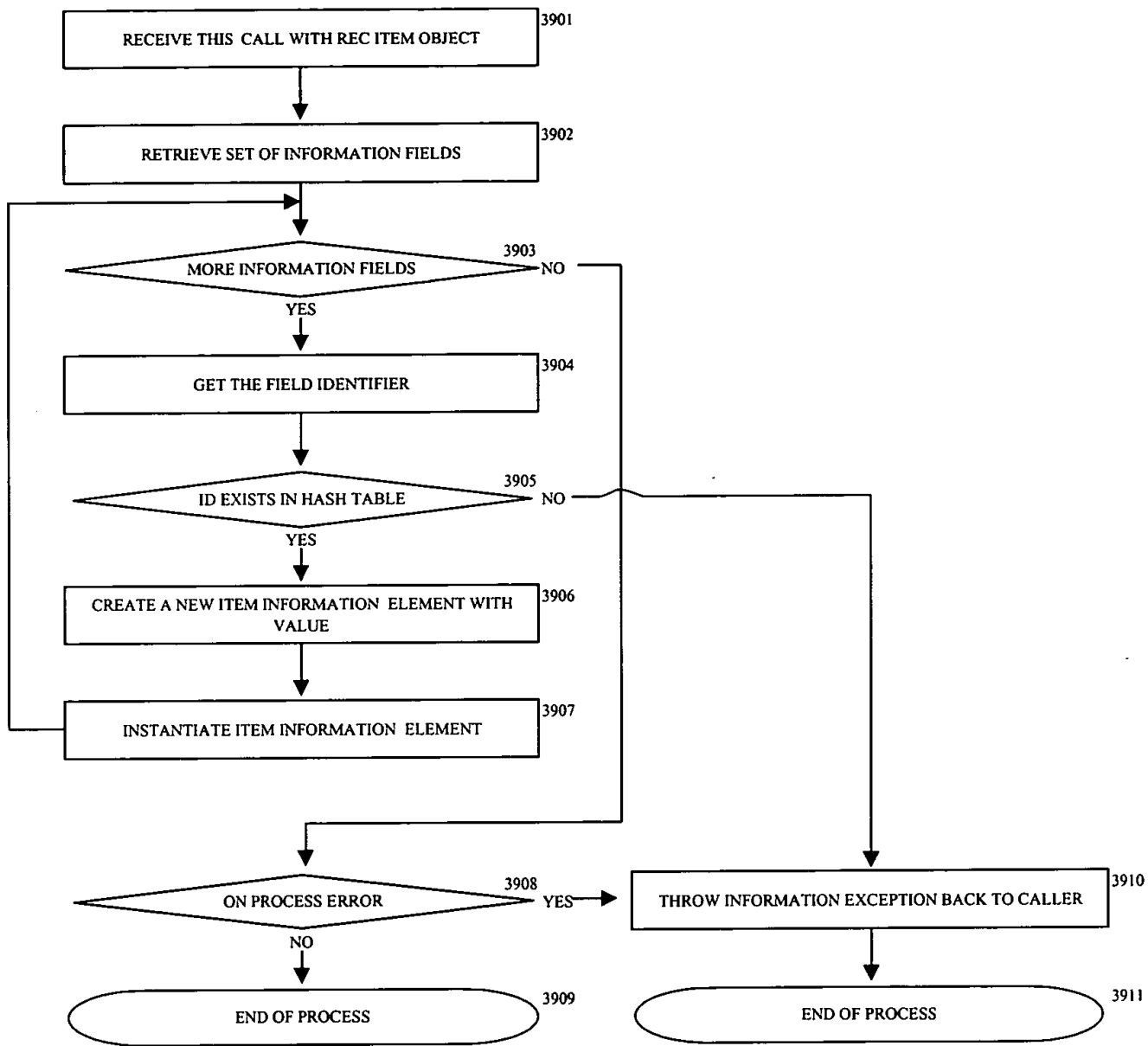


FIG. 39

MESSAGE RELATED PROCESSES
MATCH

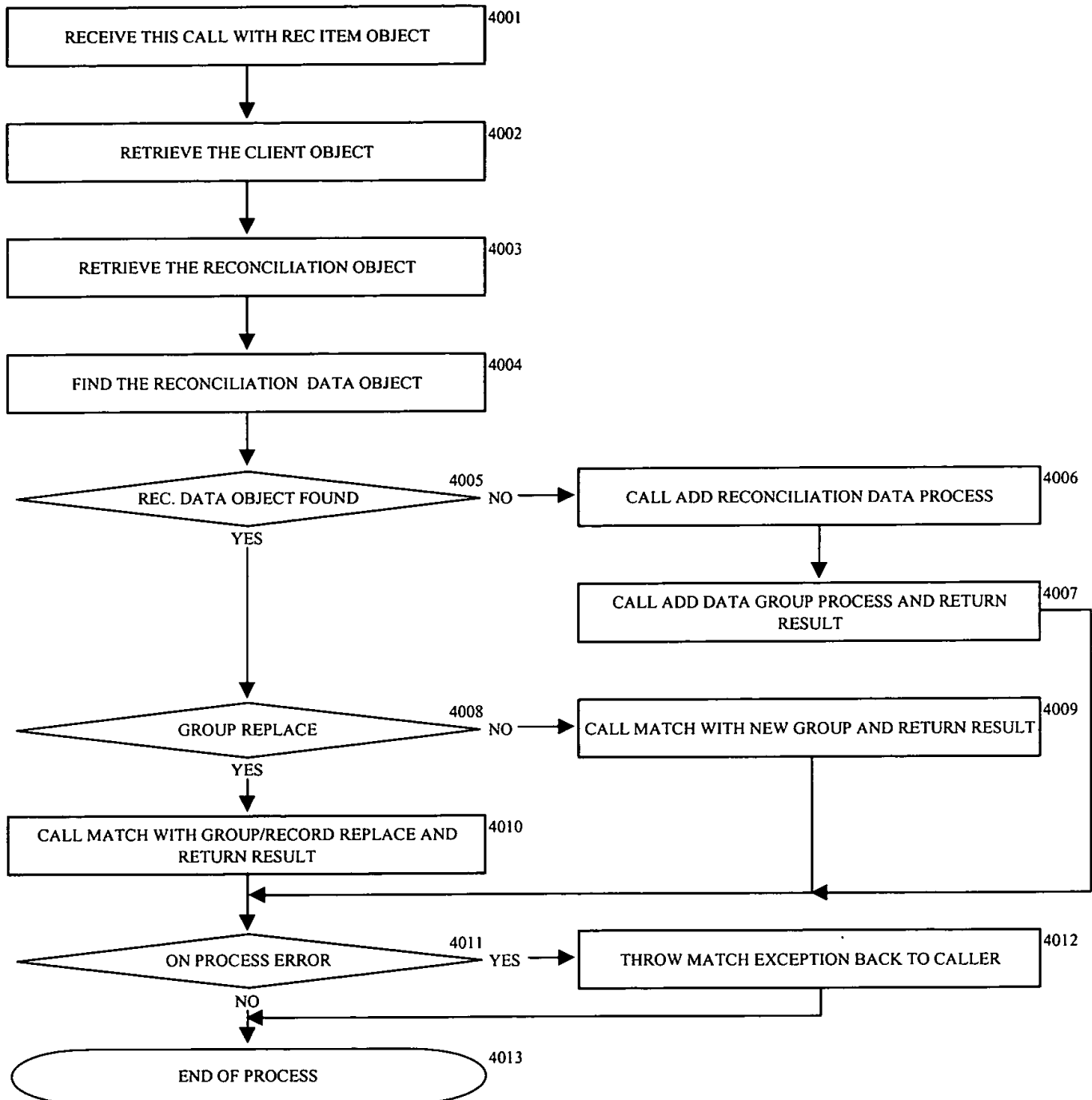


FIG. 40

MESSAGE RELATED PROCESSES
MATCH WITH GROUP/RECORD REPLACE

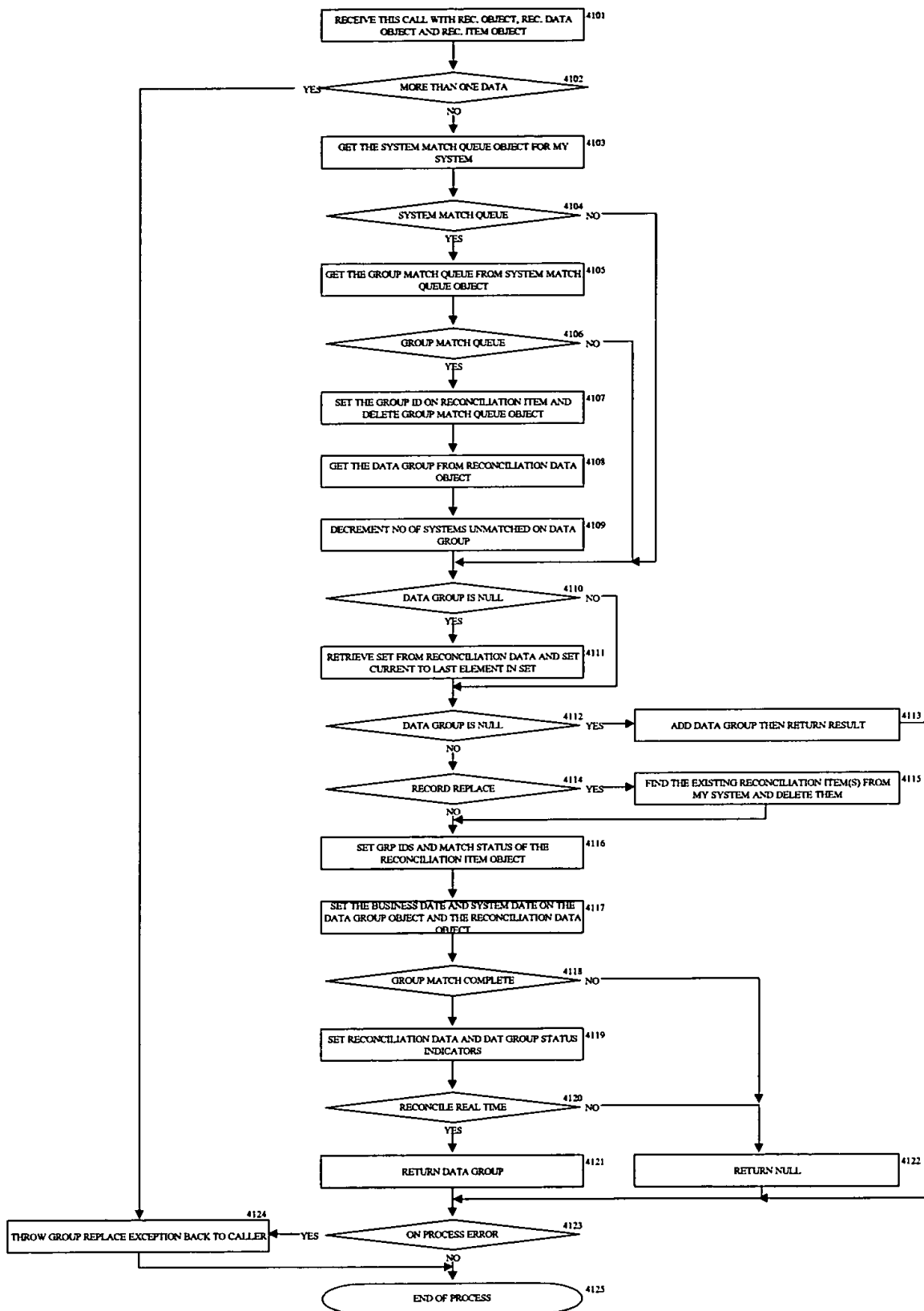


FIG. 41

MESSAGE RELATED PROCESSES
MATCH WITH NEW GROUP

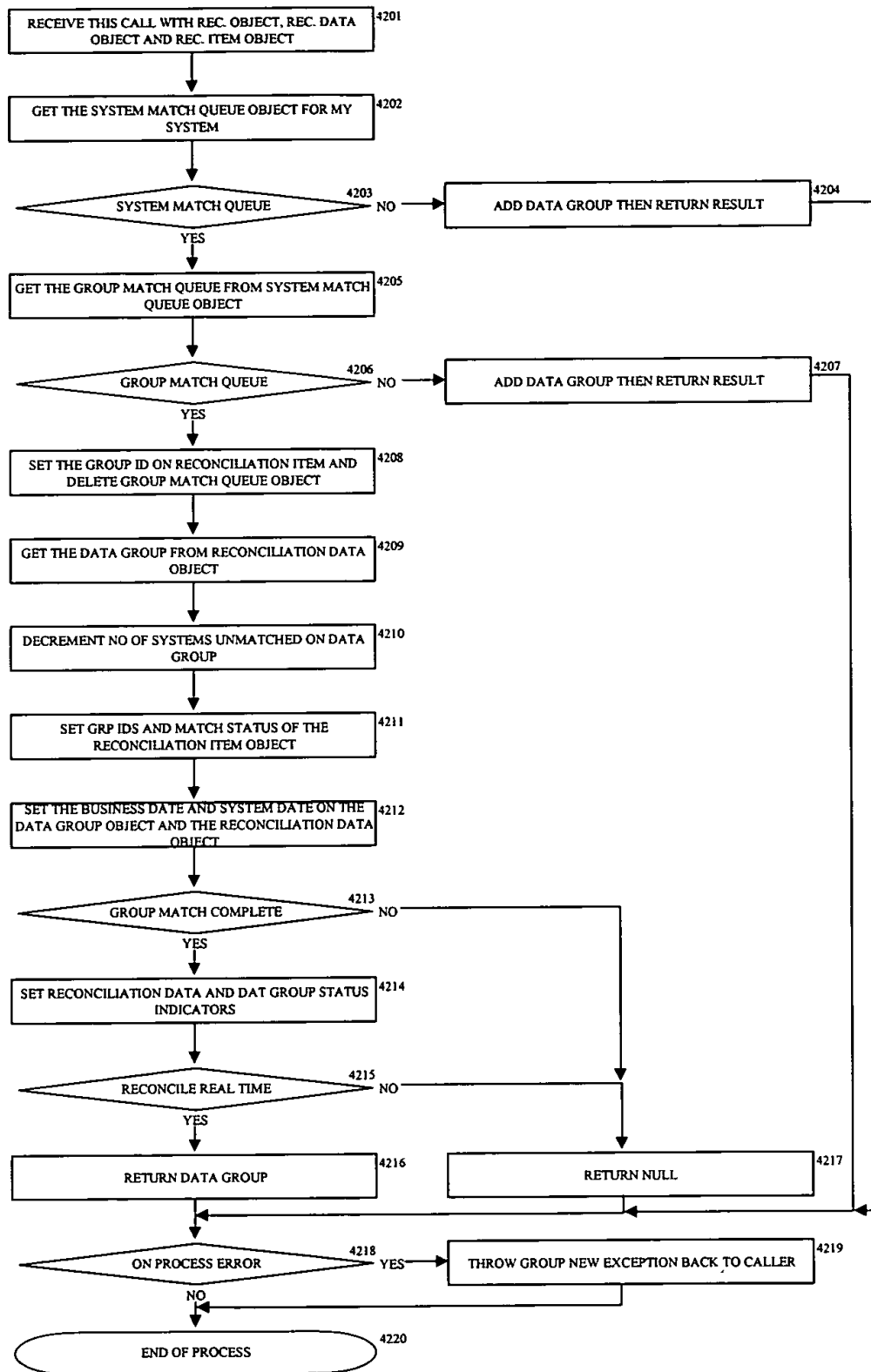


FIG. 42

MESSAGE RELATED PROCESSES
CREATE RECONCILIATION DATA OBJECT

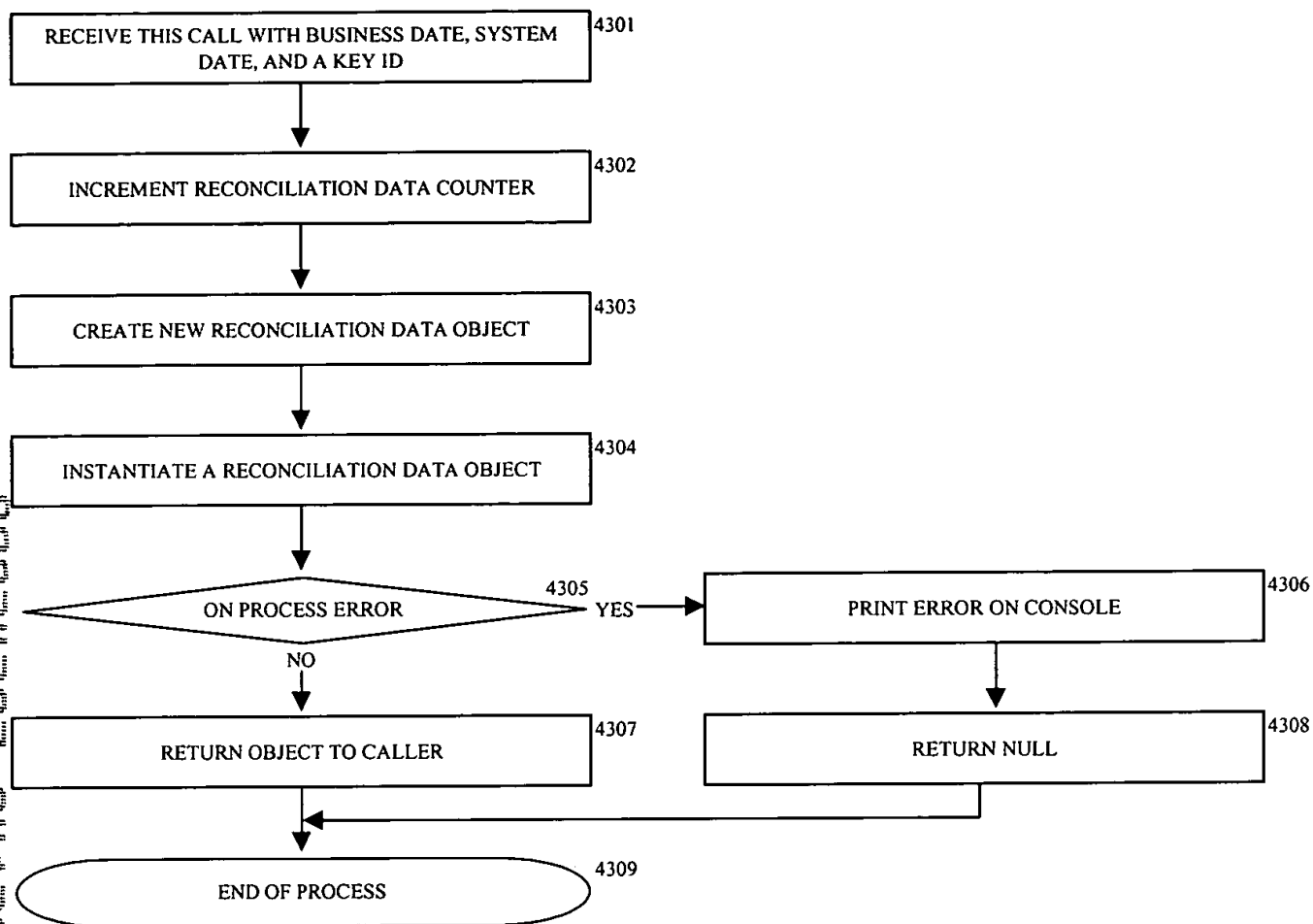


FIG. 43

MESSAGE RELATED PROCESSES
ADD DATA GROUP

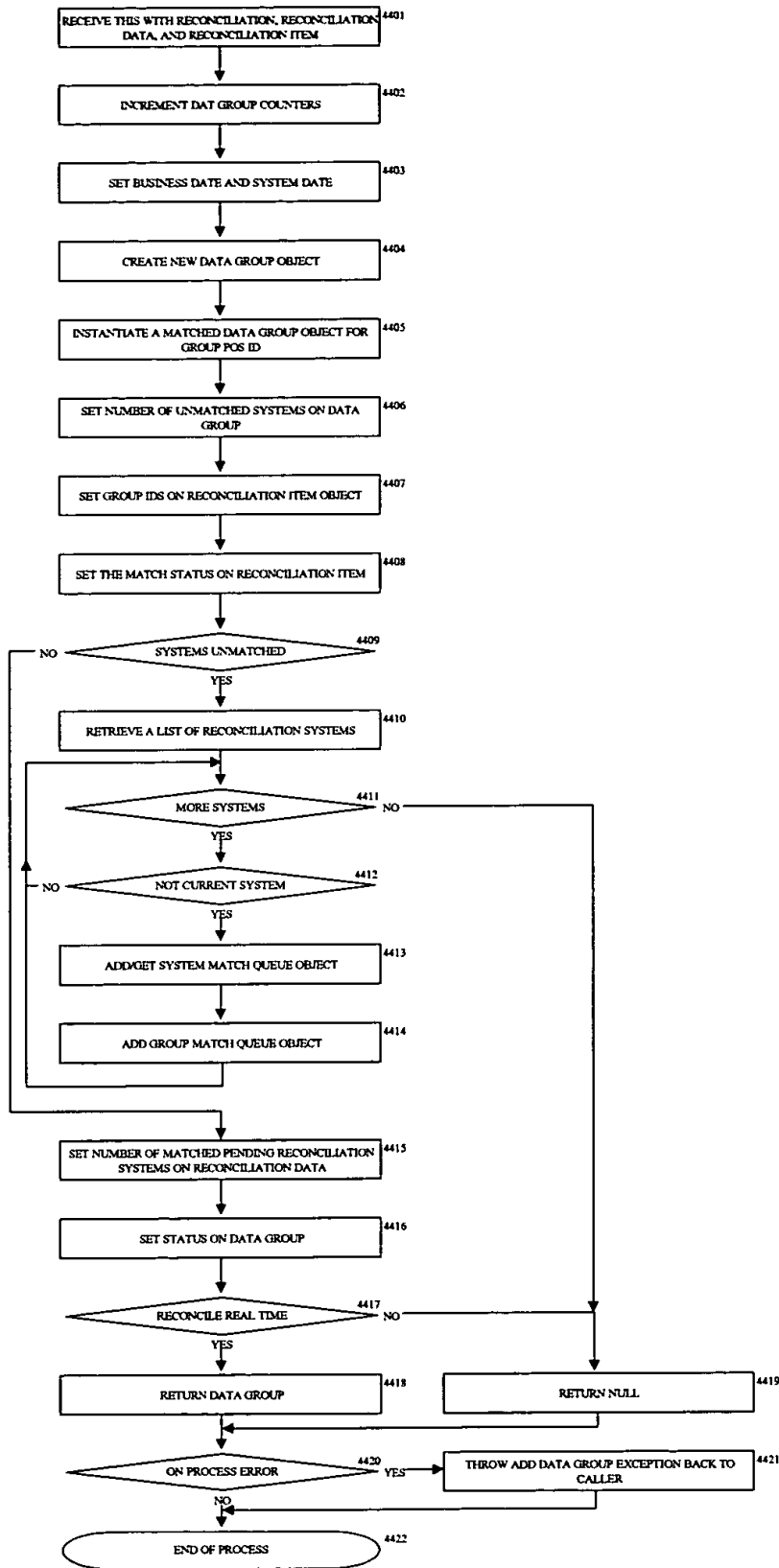


FIG. 44

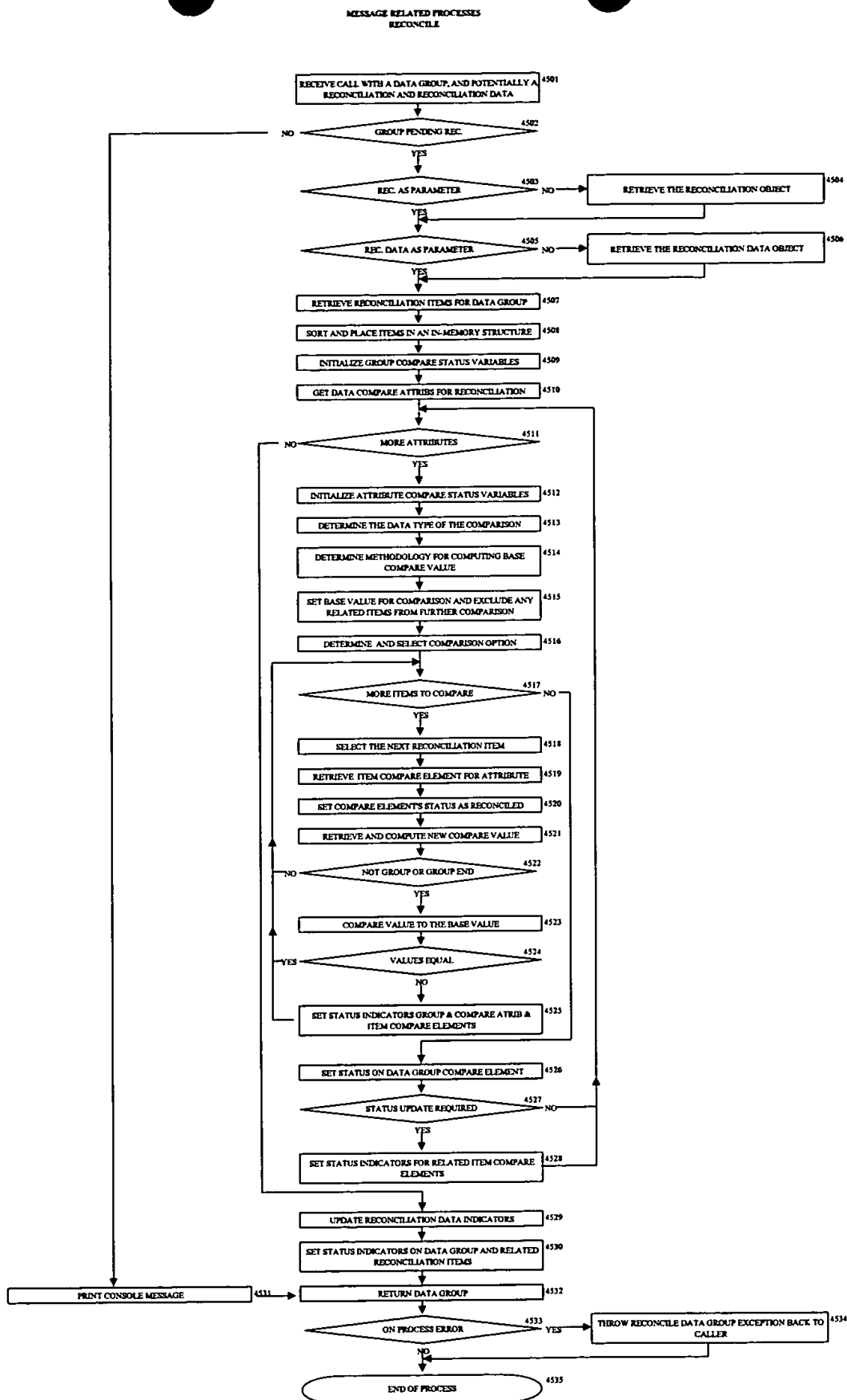


FIG. 45

DATA INTEGRATION PROCESSES
DIRECT MESSAGE BASED DATA INTEGRATION

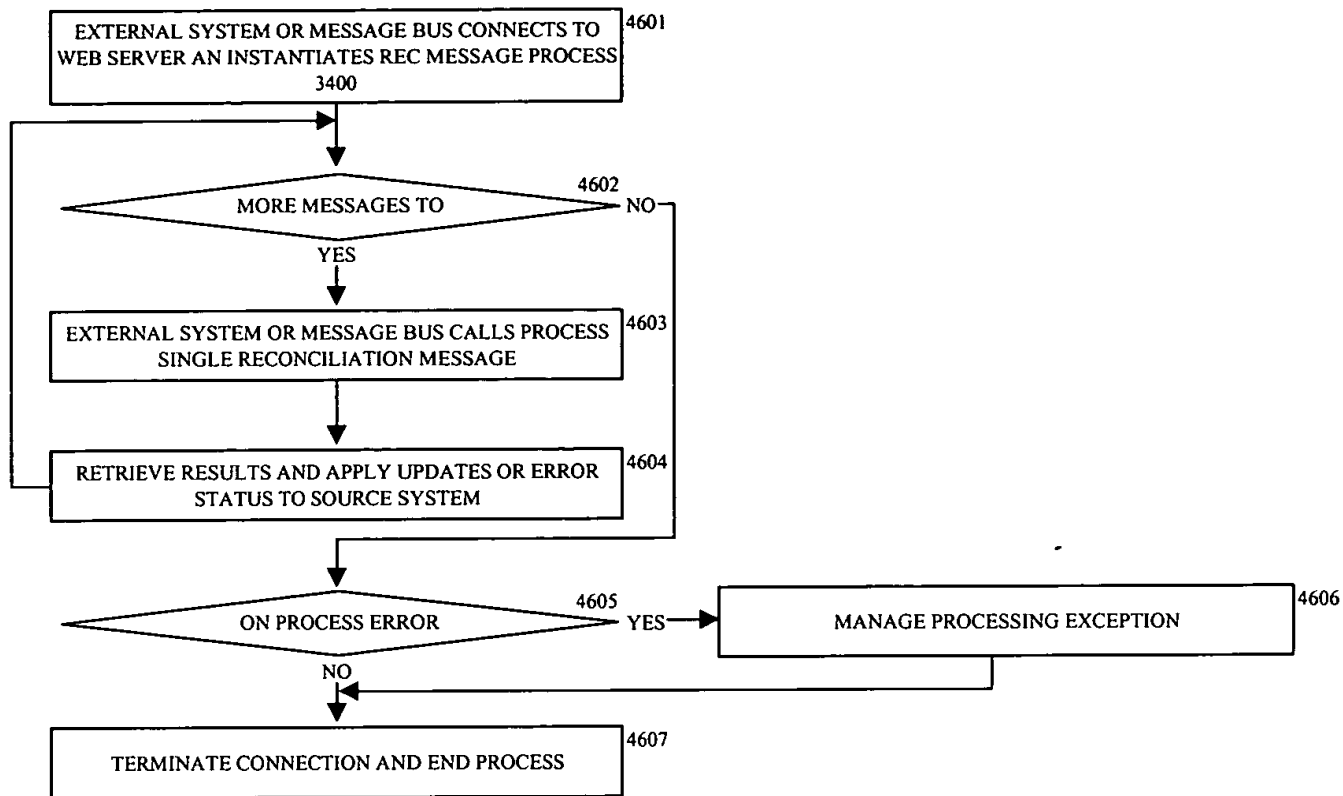


FIG. 46

DATA INTEGRATION PROCESSES
DIRECT DATA SOURCE LINK BASED DATA INTEGRATION

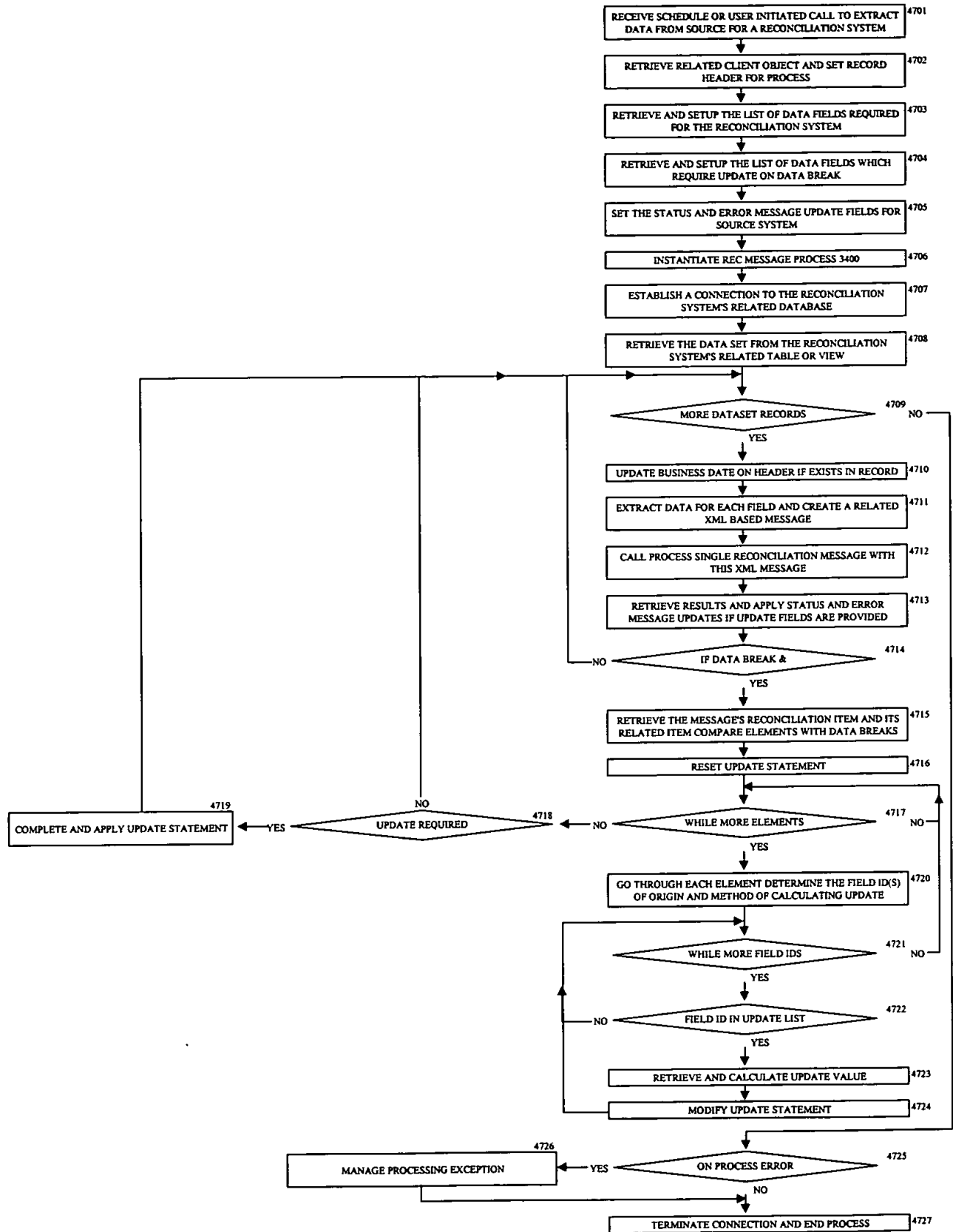


FIG. 47

DATA INTEGRATION PROCESSES
FILE BASED DATA INTEGRATION

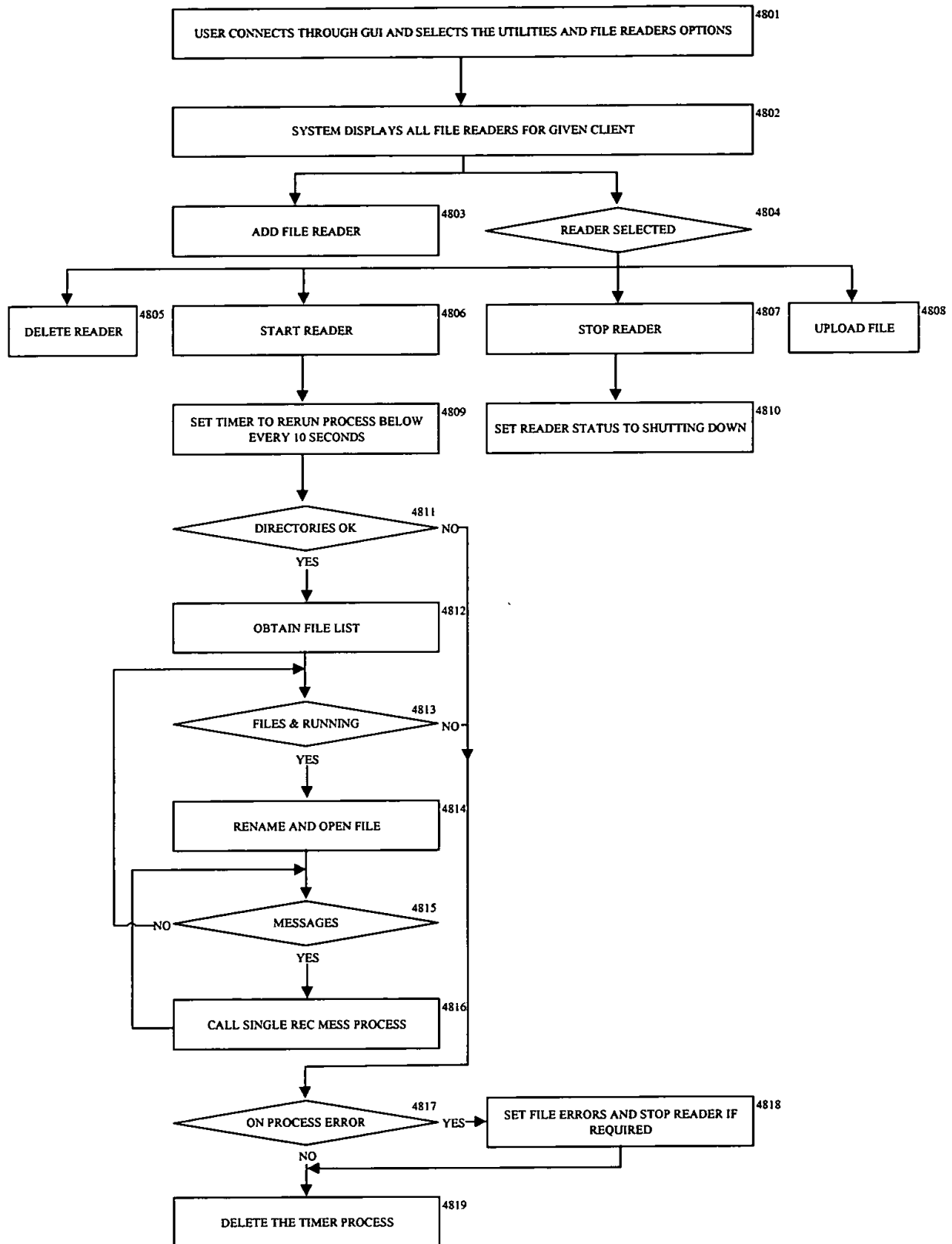


FIG. 48

USER DRIVEN DATA PROCESSES
DATA RETRIEVAL / REVIEW / UPDATE

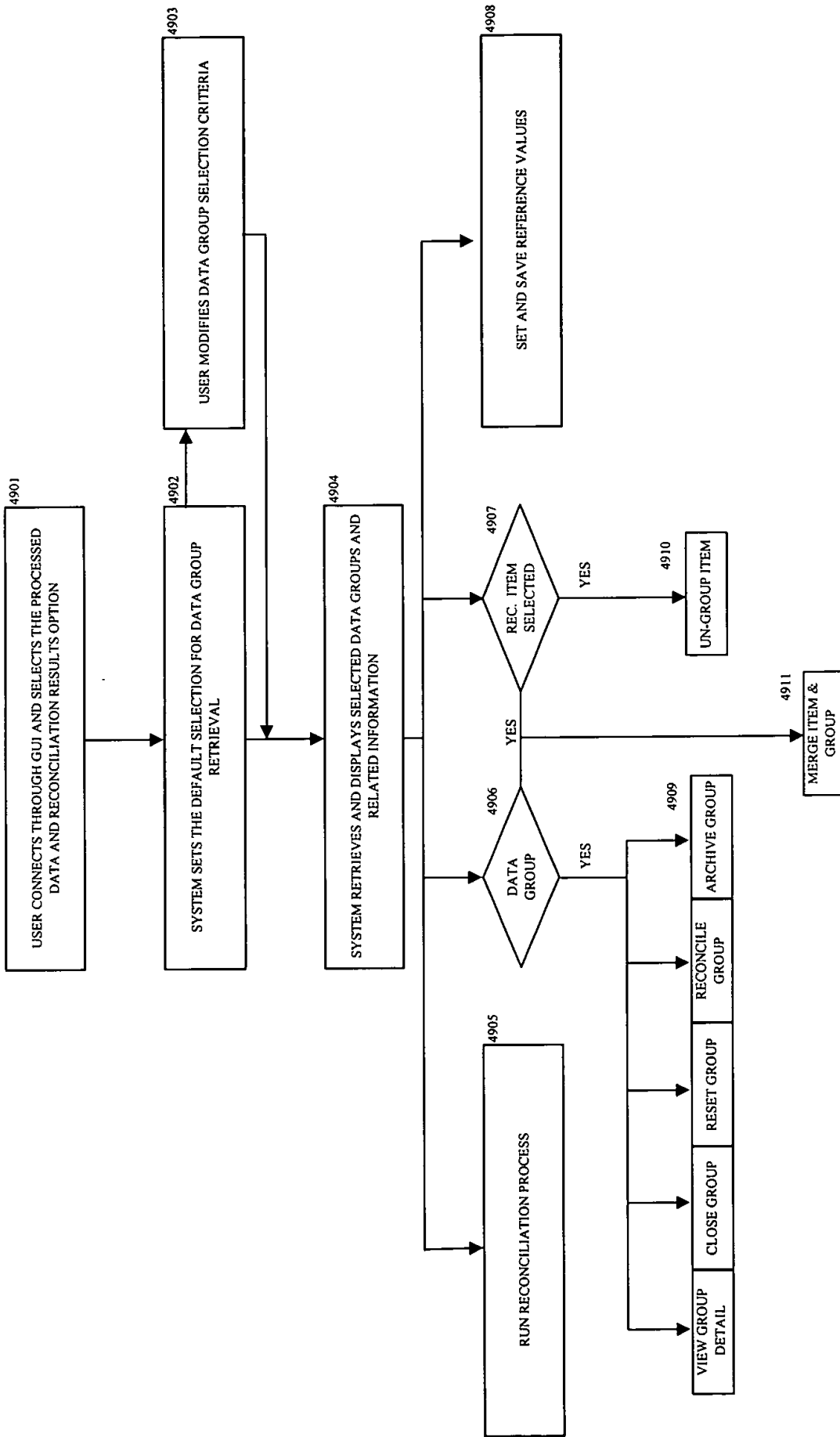


FIG. 49

USER DRIVEN DATA PROCESSES
REPORT CREATION / EXTRACTION / UPDATING

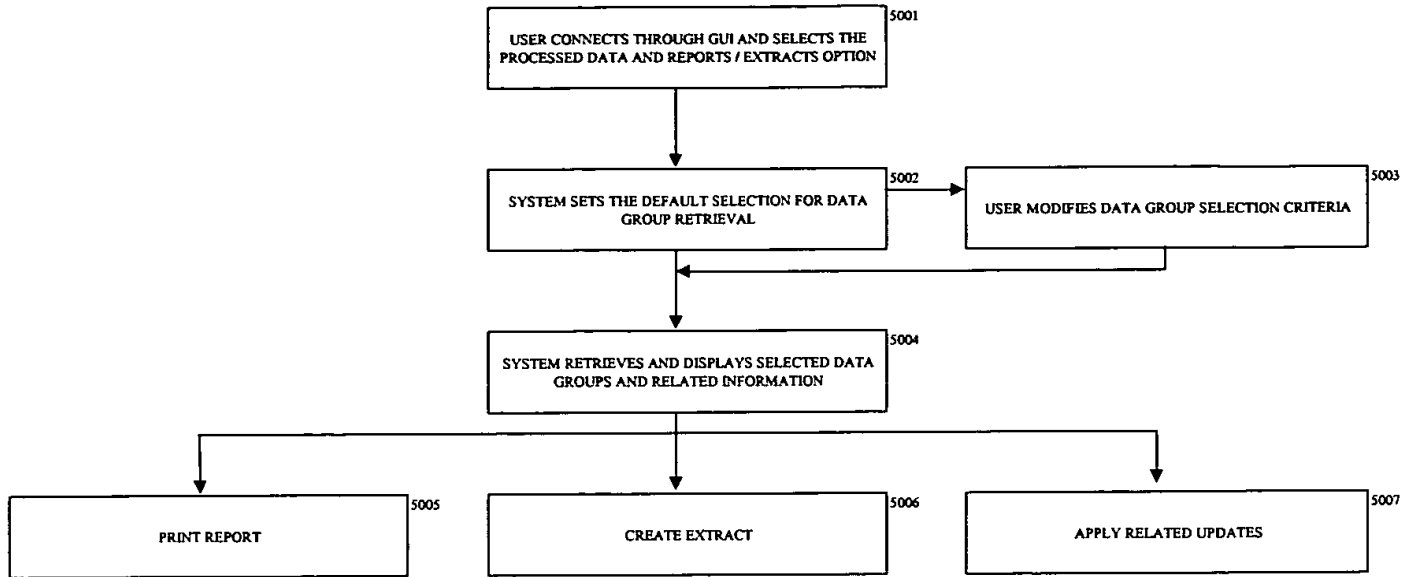


FIG. 50

USER DRIVEN DATA PROCESSES
CLIENT DETAIL MODIFICATION

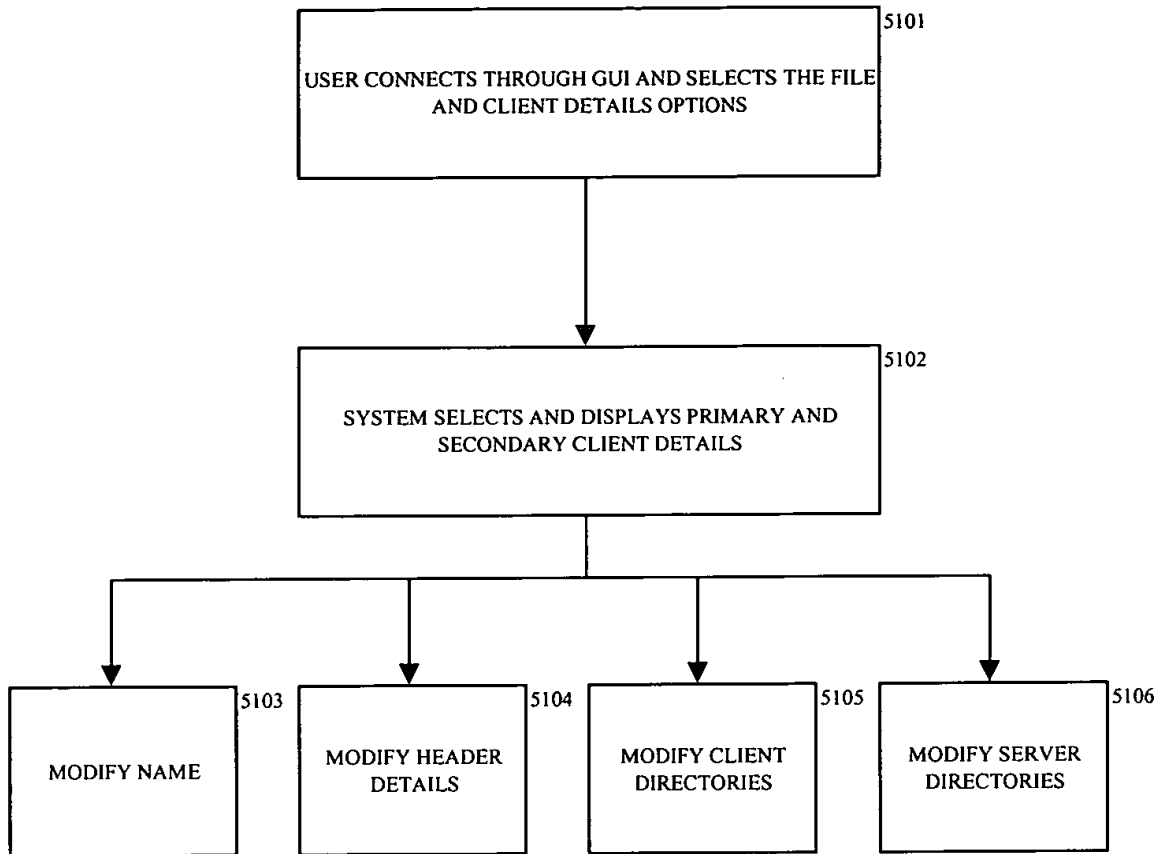


FIG. 51

USER DRIVEN DATA PROCESSES
USER ADD / DELETE / DETAIL MODIFICATION

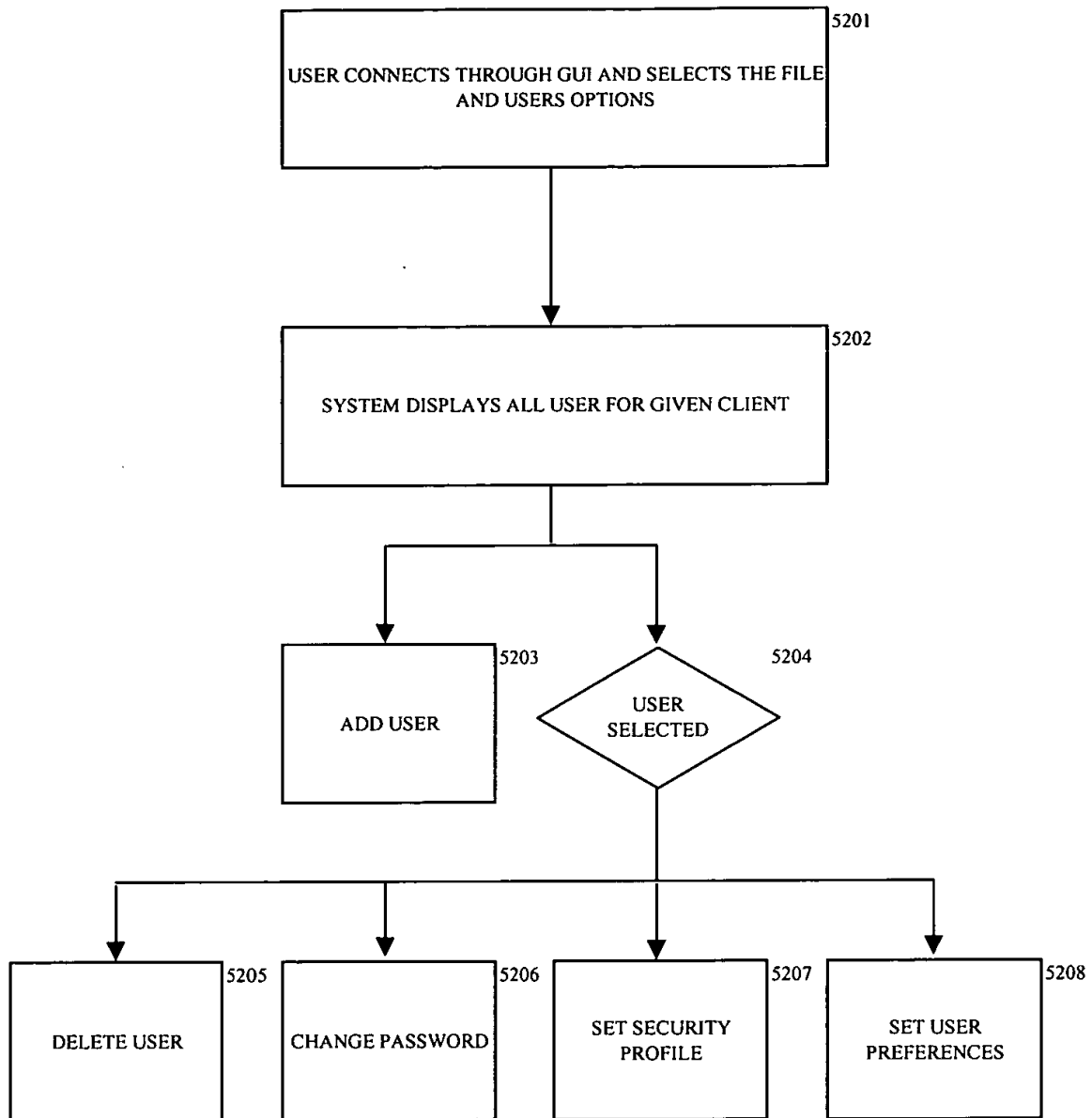


FIG. 52

ARCHIVE RELATED PROCESSES
MOVE DATA GROUP TO ARCHIVE

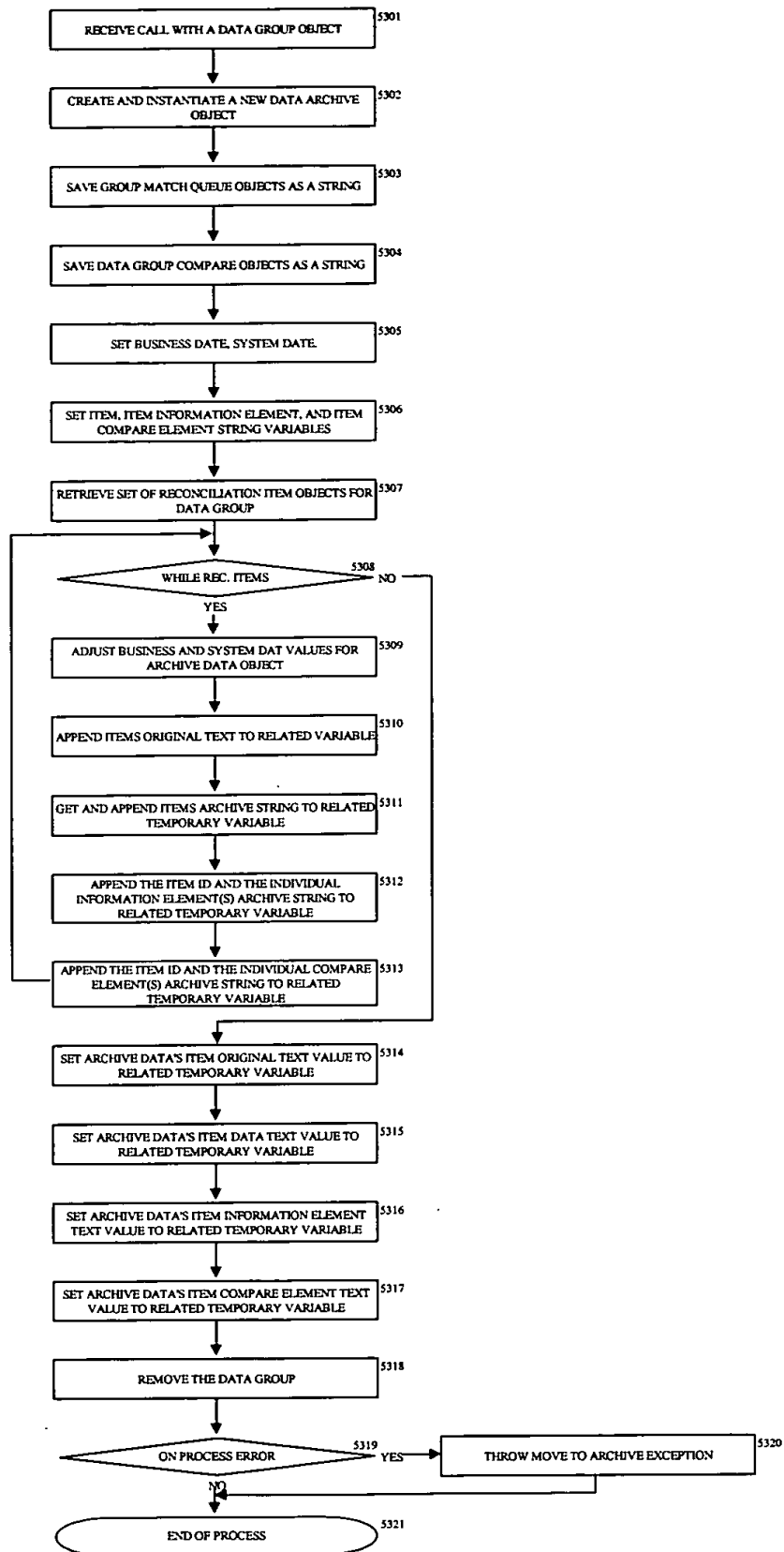


FIG. 53

ARCHIVE RELATED PROCESSES
RESTORE DATA GROUP FROM ARCHIVE

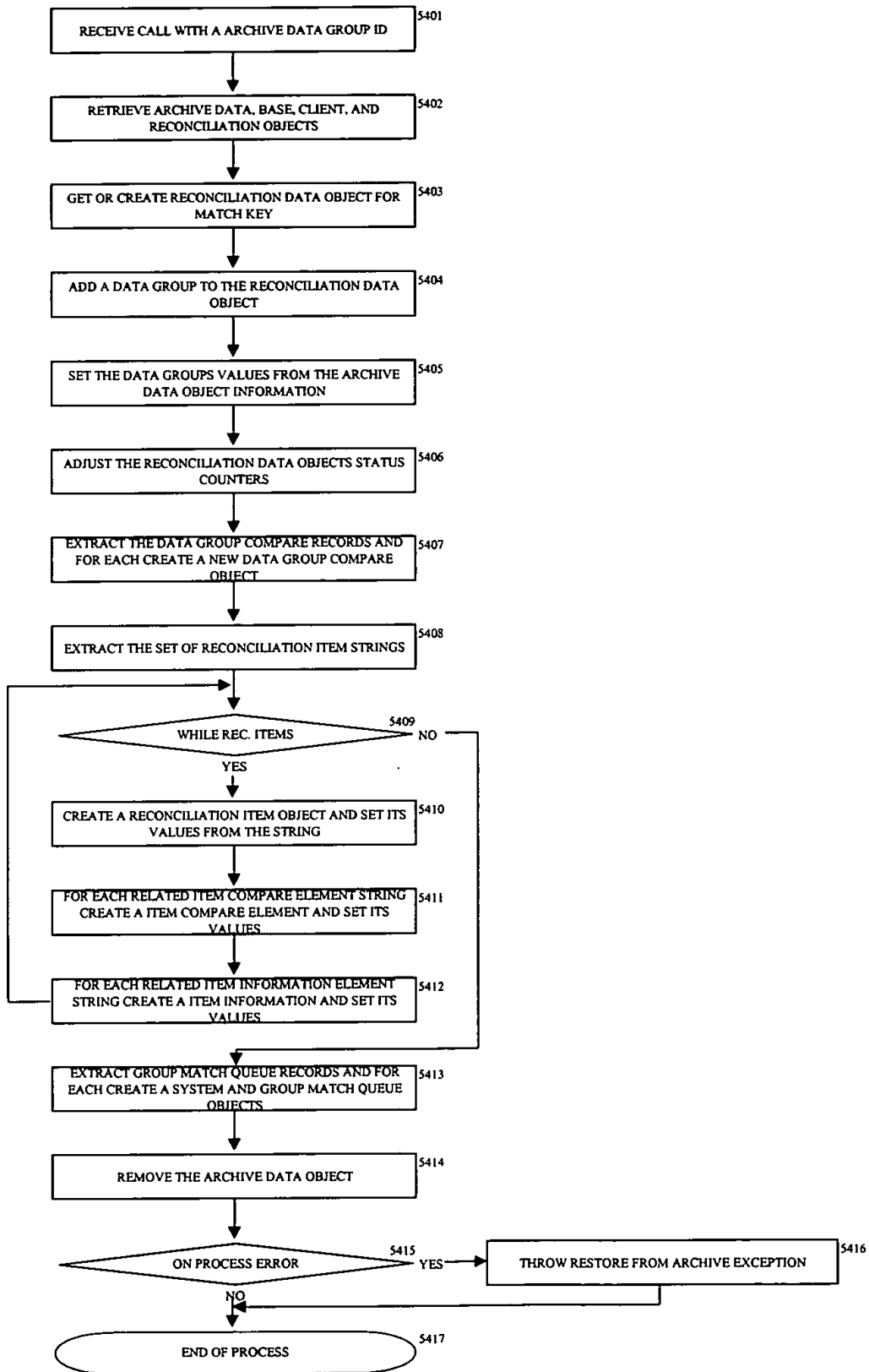


FIG. 54

USER DRIVEN DATA PROCESSES
ARCHIVE GROUP MANAGEMENT

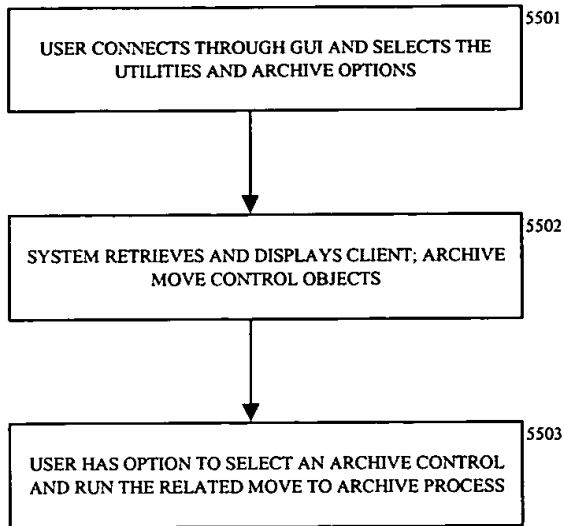


FIG. 55a

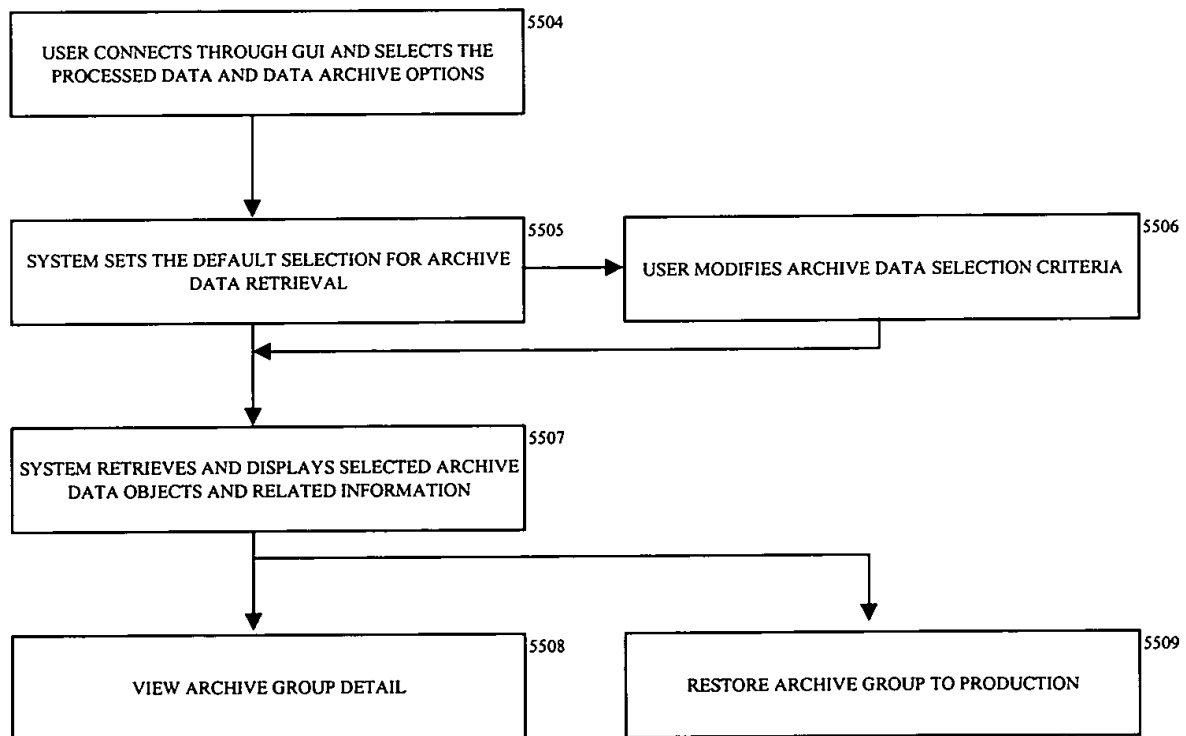


FIG. 55b

USER DRIVEN DATA PROCESSES
ERROR REVIEW AND MANAGEMENT

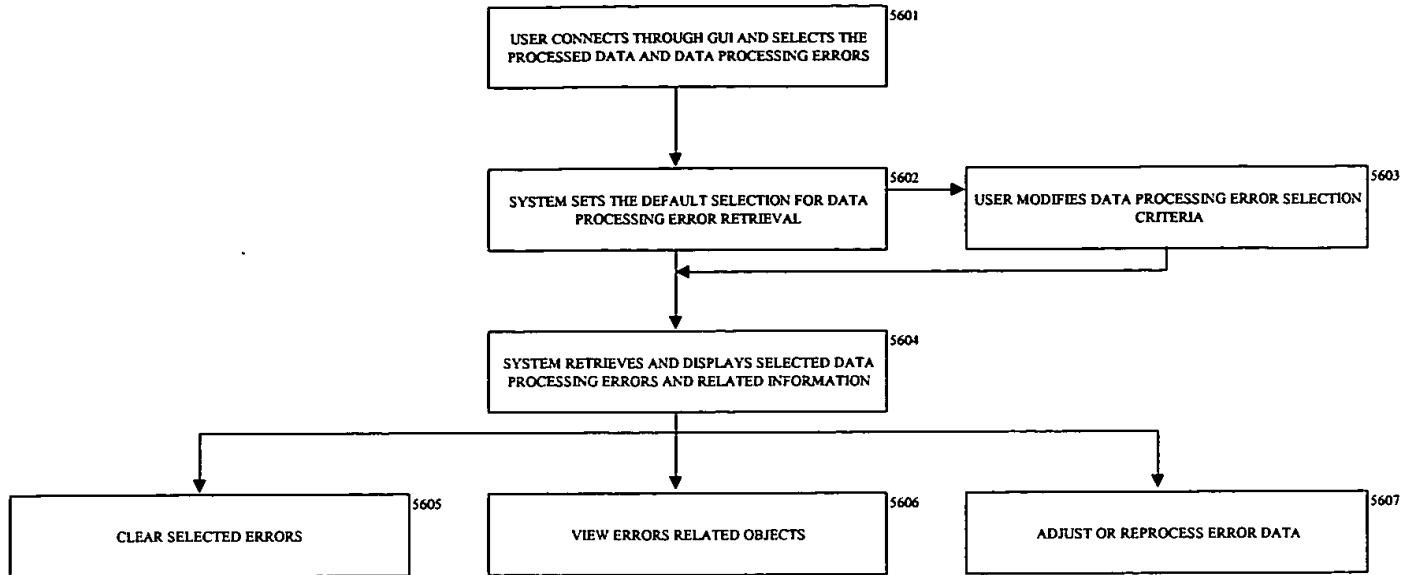


FIG. 56